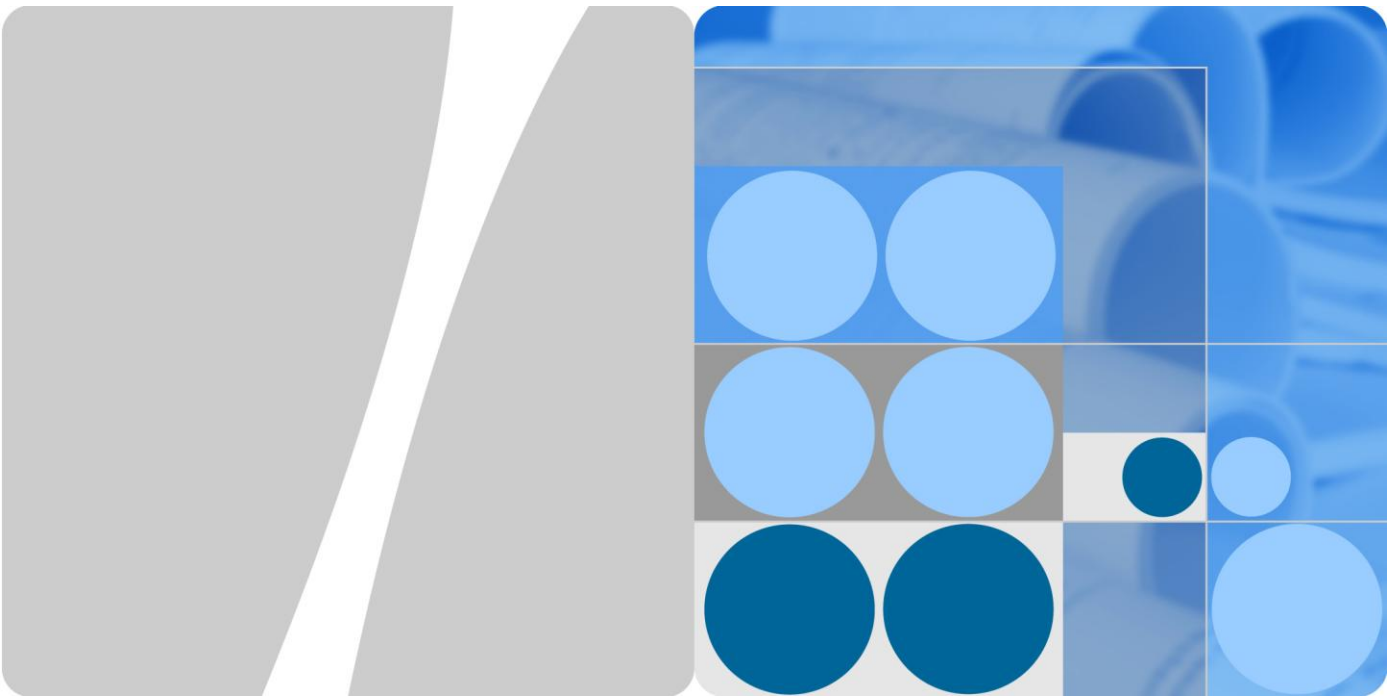


eSpace 7850 IP Phone
V100R001C03LENT02
User Manual

Issue 01

Date 2013-01-26

HUAWEI TECHNOLOGIES CO., LTD.

HUAWEI

Copyright © Huawei Technologies Co., Ltd. 2013. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademarks and Permissions

and other Huawei trademarks are trademarks of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

The purchased products, services and features are stipulated by the contract made between Huawei and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

Huawei Technologies Co., Ltd.

Address: Huawei Industrial Base
Bantian, Longgang
Shenzhen 518129
People's Republic of China

Website: http://enterprise.huawei.com

Contents

1 Safety Precautions 1

2 eSpace 7850 Overview 3

2.1 Positioning 3
2.2 Features 3
2.2.1 Graceful Appearance 3
2.2.2 Powerful Functions 3
2.3 Components 4
2.3.1 Keys 4
2.3.2 Indicators 6
2.3.3 Icons 7
2.3.4 External Ports 8
2.3.5 Internal Ports 9
2.4 Specifications 9
2.4.1 Hardware Specifications 9
2.4.2 Technical Specifications 10

3 Configuring eSpace 7850 11

3.1 Configuration Using the LCD 11
3.1.1 Setting the Language 11
3.1.2 Setting the Time and Date 11
3.1.3 Setting Time and Date Formats 12
3.1.4 Setting the Ring Tone 12
3.1.5 Setting the Volume 12
3.1.6 Configuring the Call Forward Function 13
3.1.7 Configuring the Call Waiting Function 13
3.1.8 Setting DSS Keys 13
3.1.9 Setting the Send Key 14
3.1.10 Setting the Hot Line 14
3.1.11 Configuring the History Setting Function 14
3.1.12 Configuring the AA Login (Available for Huawei UC2.0 Solution) 15
3.2 Configuration Using the Web Page 15
3.2.1 Establishing a Configuration Environment 15
3.2.2 Accessing the Web Configuration Page 15

Copyright © Huawei Technologies Co., Ltd.

3.2.3 Tab Pages on the Web Configuration Page 16
3.2.4 Status Tab Page 16
3.2.5 Account Tab Page 18
3.2.6 Network Tab Page 20
3.2.7 Phone Tab Page 22
3.2.8 Contacts Tab Page 47
3.2.9 Upgrade Tab Page 50
3.2.10 Security Tab Page 51
3.2.11 Saving Settings 53

4 Using eSpace 7850 54

4.1 Overview 54
4.1.1 Call Type 54
4.1.2 Answer Mode 54
4.1.3 Group Listening 54
4.1.4 Multiple Accounts 54
4.2 Making a Call 55
4.2.1 Dialing 55
4.2.2 Redialing 55
4.2.3 Calling Back 55
4.2.4 Using the Call Record List to Make a Call 55
4.2.5 Using Address Books to Make a Call 55
4.2.6 Using Speed Dial to Make a Call 56
4.3 Answering a Call 56
4.3.1 Answering a Single Call 56
4.3.2 Displaying Name and Department of the Calling User 56
4.3.3 Answering Multiple Calls 56
4.4 DND Function 56
4.5 Call Hold 57
4.6 Call Mute 57
4.7 Call Transfer 57
4.8 Three-Party Conference 58
4.9 BLF Function 58
4.10 SCA Function 58
4.11 Pickup Function 59
4.12 Call Park 59
4.13 Xml Browser 59
4.14 Address Book 60
4.14.1 Local Address Book 60
4.14.2 Blacklist 62
4.14.3 Remote Address Book 63
4.14.4 LDAP 63

Copyright © Huawei Technologies Co., Ltd.

4.15 Messages 64
4.15.1 Voice Messages 64
4.16 Expansion Modules 65
4.17 Linkage Between an eSpace and an IP Phone 65
4.17.1 Associating an eSpace with an IP Phone 65
4.17.2 Using the Linkage eSpace 67
4.18 Callback on Busy(For UC 1.1) 71
4.19 Callback on Busy(For UC 2.0) 71
4.20 Using the Extension Mobility Function (Available for Huawei UC1.1 Solution) 72
5 Maintaining eSpace 7850 73
5.1 Managing Passwords 73
5.2 Restarting eSpace 7850 73
6 FAQs 74

Copyright © Huawei Technologies Co., Ltd.

1 Safety Precautions

General Requirements

Before you install and use the device, read these safety precautions carefully and observe them during operation.

- During storage, transportation, and operation of the device, keep the device dry.
- During storage, transportation, and operation of the device, avoid collision and crash of the device.
- Never attempt to dismantle the device by yourself. In case of any fault, contact the appointed maintenance center for repair.
- Without prior written consent, no organization or individual is permitted to make any change to the structure or safety design of the device. Huawei Technologies Co., Ltd. is not liable to any consequences or legal issues due to such changes.
- While using the device, observe all applicable laws, directives and regulations, and respect the legal rights of other people.

Environmental Requirements

- Place the device at a well-ventilated place. Do not dispose the device to direct sunlight.
- Keep the device clean and free of dusts.
- Place the device on a stable platform.
- Do not place any object on top of the device. Otherwise, the device may be too hot during operation. It can even be deformed or damaged by the heavy load.
- Keep at least 10 cm between the device and the closest object for heat dissipation.
- Do not place the device on or near any object that can easily catch fire, such as something made of rubber.
- Keep the device far away from any heat source or bare fire, such as a candle or an electric heater.
- Keep the device far away from any household appliance with strong magnetic field or electromagnetic field, such as a microwave oven or a refrigerator.

Operating Requirements

- Do not let a child operate the device without guidance.
- Do not let a child play with the device or any accessory. Swallowing the accessories may lead to peril.

Copyright © Huawei Technologies Co., Ltd.

- Use the accessories provided or authorized by the manufacturer only.
- The power supply of the device shall meet the requirements of the input voltage of the device. Use the provided surge protection power socket only.
- Before plugging or unplugging any cable, shut down the device and disconnect it from the power supply.
- While plugging or unplugging any cable, make sure that your hands are completely dry.
- Do not tread on, pull, or over-bend any cable. Otherwise, the cable may be damaged, leading to malfunction of the device.
- Do not use an old or a damaged power cable.
- During lightning weather, stop using the device and disconnect it from the power supply. Unplug the power plug and the ADSL(Asymmetric Digital Subscriber Line) twisted pair (the radio frequency cable) to avoid lightning strike.
- If the device is not used for a long time, disconnect it from the power supply and unplug the power plug.
- Do not look directly into the optical interface and the laser-transmitting interface on the device, or the infrared transmitting interface on the remote control with your eyes. Otherwise, your eyes may be injured.
- In any of the following cases, stop using the device, disconnect it from the power supply, and unplug the power plug immediately: there is smoke emitted from the device, or there is some abnormal noise or smell. Contact the specified maintenance center for repair.
- Avoid any object (such as metal shavings) from entering the device from the heat dissipation intakes.
- Before connecting any other cable, connect the ground cable of the device first. Do not disconnect the ground cable until you disconnect all other cables.
- Make sure that the three-phase power socket is grounded reliably. The neutral line and the live line shall not be connected inversely.
- Do not scratch or abrade the shell of the device. This may lead to malfunctions of the device. The shed painting material may also lead to skin allergy.

Cleaning Requirements

- Before cleaning the device, stop using it and disconnect it from the power supply.
- Use a piece of soft dry cloth to clean the device.
- Keep the power plug clean and dry. Using a dirty or wet power plug may lead to electric shock or other perils.

Copyright © Huawei Technologies Co., Ltd.

2 eSpace 7850 Overview

2.1 Positioning

Huawei IP Phone eSpace 7850 (eSpace 7850 for short) is a next generation **6-line** IP phone using Session Initiation Protocol (SIP). It has a variety of functions and is easy to use. User-friendly interactive liquid crystal display (LCD) interface and high-fidelity voice quality, perfect for frequent phone users, such as manager. eSpace 7850 concerns about demands of enterprises and IP phone service providers and meets Voice over Internet Protocol (VoIP) development requirements.

2.2 Features

2.2.1 Graceful Appearance

- Streamlined design
- Fashionable and decent color
- Two 10/100 Mbit/s Ethernet ports

2.2.2 Powerful Functions

- Supports multiple standards, including SIP 2.0, UDP, TCP, TLS, RTP, RTCP, HTTP, HTTPS, ARP, RARP, ICMP, DNS (SRV record), DHCP, PPPoE, FTP, TFTP, NTP, Telnet, and 802.1x.
- Adopts digital signal processing (DSP) technology, ensuring high voice quality.
- Provides various voice functions, such as calling number display, calling name and department dispaly, call waiting, call hold, call forward, call transfer, Do Not Disturb (DND), mute, Three-Party Conference, and dial after off-hook.
- Provides high voice quality.

Copyright © Huawei Technologies Co., Ltd.

2.3 Components

2.3.1 Keys

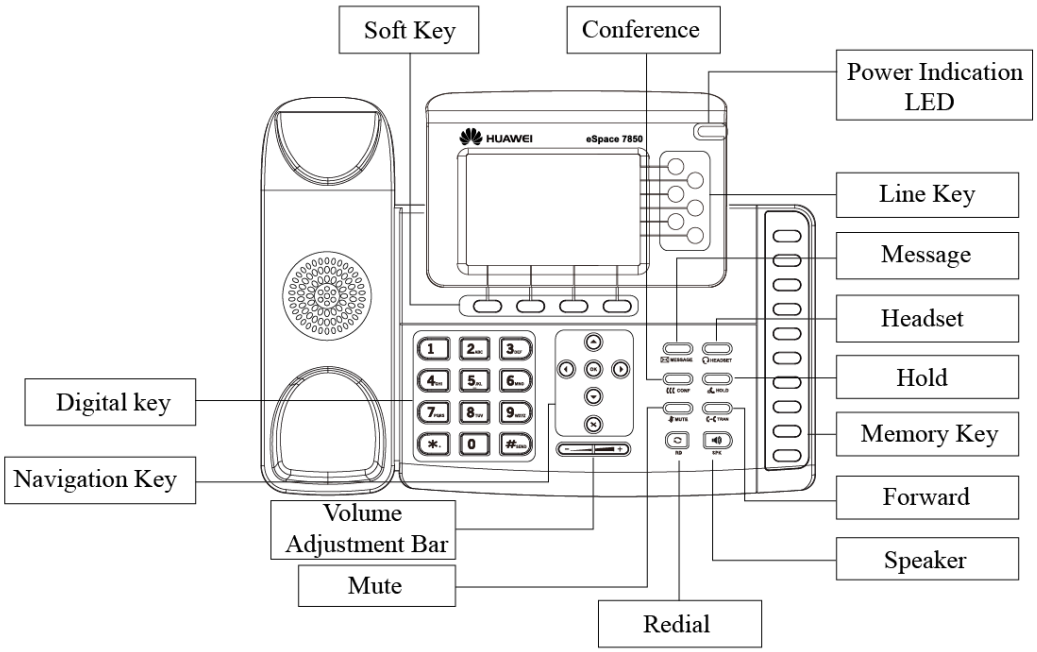


Table 2-1 lists eSpace 7850 keys and indicators.

Table 2-1 eSpace 7850 keys and indicators

Key and Indicator	Description
Soft Key	Functions of the four soft keys are marked on the screen. In the standby screen, they are marked as **History**, **Directory**, **DND**, and **Menu**.
 Conference	Creates a multi-party conference.
Power Indication LED	Indicates the power supply status. When eSpace 7850 is powered on, the indicator is on.
Line Key	Indicates account status. You can also use the six line keys as programmable keys for other use.
 Message	Blinks when you receive a new voice message. • If there is no new voice message, the page for setting voice connection code is displayed after you press this key. • If you have set a voice access code, the voice mailbox is accessed after you press this key.

Copyright © Huawei Technologies Co., Ltd.

Key and Indicator	Description
Headset	On the dialing page or conversation page, press this key to change the conversation mode. • If eSpace 7850 is in the handset mode, press this key to access the headset mode. To restore the handset mode, press this key again. • If eSpace 7850 is in the hand-free mode, press this key to access the headset mode. To restore the hand-free mode, press this key again.
Hold	Holds or unholds a call.
Memory Key	Functions as shortcut keys (such as Speed Dial, Hold, and Transfer) after configuration.
Transfer	Transfers a call to another party.
Speaker	Answers an incoming call in the hand-free mode. On the dialing page or conversation page, press this key to change the conversation mode. • If eSpace 7850 is in the handset mode, press this key to access the hand-free mode. To restore the handset mode, press this key again. • If eSpace 7850 is in the headset mode, press this key to access the hand-free mode. To restore the headset mode, press the Headset key.
Redial	Redials a number. In the standby state, press this key to access the page where numbers that you have dialed are listed. Select a record and press this key again to initiate a call.
Mute	Mutes or unmutes a call. If the call mute function is enabled, the peer party cannot hear your voice and the icon is displayed on the screen.
Volume Adjustment Bar	Adjusts the volume in the handset, headset, or hand-free mode, or the volume of the ring tone.
Navigation Key	Includes four arrow keys (up, down, left, and right), one **OK** key, and one **X** key. • Arrow keys: move the cursor on difference pages. • **OK** key: access the menu that is selected or confirm an operation, or answer an incoming call if any. • **X** key: cancel an operation, return to the upper-level menu, reject

Copyright © Huawei Technologies Co., Ltd.

Key and Indicator	Description
	an incoming call (in the ringing state), or mute a call(in the conversation state).
Digital Key	Enters alphanumeric and special characters. To enter digits, lowercase letters, uppercase letters, and special characters, switch the entering mode.

2.3.2 Indicators

Table 2-2 lists eSpace 7850 indicators.

Table 2-2 eSpace 7850 indicators

Indicator	Description
Power Indication LED	• Steady green: eSpace 7850 is powered on. • Blinking green: A call comes or is muted. • Off: eSpace 7850 is powered off.
Message	• Steady green: There is a new voice message. • Off: There is no new voice message.
Headset	• Steady green: The headset is used during a conversation. • Off: The headset is not used during a conversation.
Line Key	• Steady green: The account is in the dialing or talking state. • Blinking green: The account receives or holds a call. • Off: The account is idle.
Line Key assigned with the Share Call Appearance (SCA) function	• Steady green: The listened-on account is idle. • Blinking green: The listened-on account is occupied. • Off: The SCA function is disabled.
Line Key assigned with the Busy Lamp Field (BLF) function	• Steady green: The listened-on account is idle. • Blinking green slowly: The listened-on account is in the talking state. • Blinking green quickly: The listened-on account is in the ringing state. • Off: The BLF function is disabled.
Memory Key assigned with the BLF function	• Steady green: The listened-on account is idle. • Steady red: The listened-on account is in the talking state. • Blinking red: The listened-on account is in the ringing state. • Off: The BLF function is disabled.

Copyright © Huawei Technologies Co., Ltd.

2.3.3 Icons

Table 2-3 lists icons that may occur on the eSpace 7850 screen.

Table 2-3 Icons on the eSpace 7850 screen

No.	Icon	Description
1		This icon blinks when network connection failed.
2		Indicates that an account failed to be registered.
3		Indicates that an account is being registered.
4		Indicates that an account is registered successfully.
5		Indicates a missed call.
6		Indicates an incoming call.
7		Indicates an outgoing call.
8		Indicates all input methods.
9		Indicates digital input.
10		Indicates lower-case input.
11		Indicates upper-case input.
12		Indicates that a call is muted.
13		Indicates that a call is held.
14		Indicates a voice mailbox.
15		Indicates that the call forward function is enabled.
16		Indicates that the DND function is enabled.
17		Indicates that the auto answer function is enabled.
18		Indicates the handset mode.
19		Indicates the headset mode.
20		Indicates the hand-free mode.

Copyright © Huawei Technologies Co., Ltd.

2.3.4 External Ports

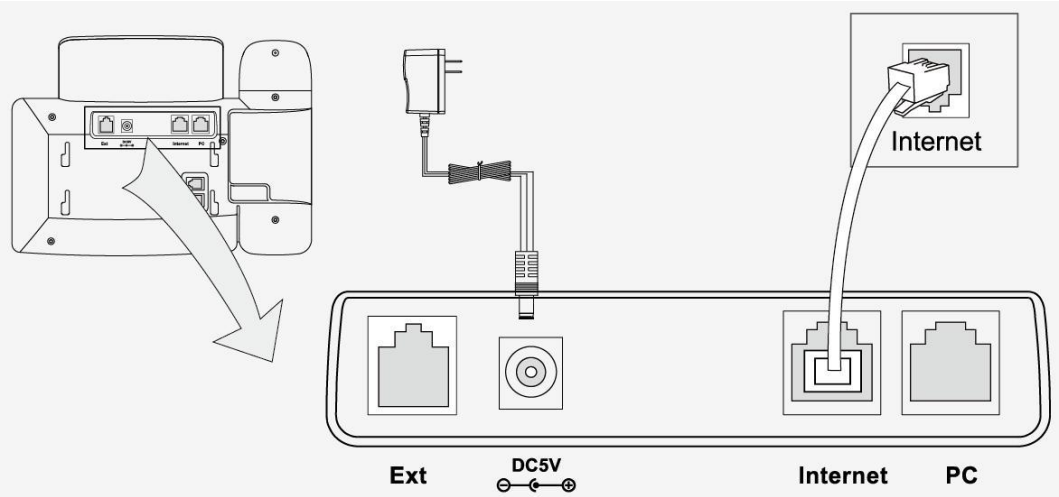


Table 2-4 lists external ports on eSpace 7850.

Table 2-4 External ports on eSpace 7850

Port	Description
Ext	Connects an expansion module. Buy an expansion module from the distributor, if necessary.
DC5V	Connects the external power supply.
Internet	Connects the Local Area Network (LAN) or the public network.
PC	Connects a computer. When a computer uses this port to connect to eSpace 7850, eSpace 7850 functions as a Hub on the network. Do not connect the PC ports of two phones directly with a network cable. Otherwise, a network storm may occur. As a result, the entire network will be unavailable.

Copyright © Huawei Technologies Co., Ltd.

2.3.5 Internal Ports

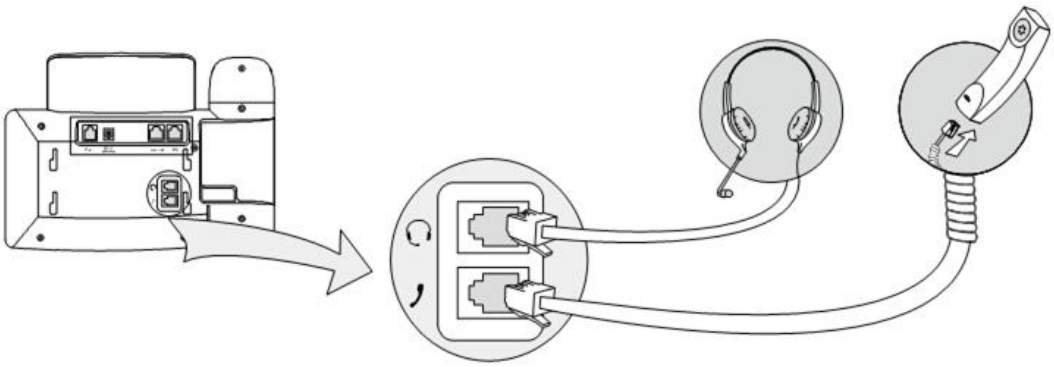


Table 2-5 lists internal ports on eSpace 7850.

Table 2-5 Internal ports on eSpace 7850

Port	Description
	Connects a headset.
	Connects a handset.

2.4 Specifications

2.4.1 Hardware Specifications

Table 2-6 eSpace 7850 hardware specifications

Item	Description
LAN port (PC port)	10/100 Mbit/s self-adaptive
WAN port (Internet port)	10/100 Mbit/s self-adaptive
Power adapter	Input: 100 to 240 V AC Output: 5 V DC, 1.2 A
Power	2.6 W
LCD	4.09″320x160 pixel graphic LCD
Size (mm)	273 x 204 x 42
Weight (kg)	1.05
Working temperature	0 ℃ to 40 ℃
Relative humidity	10% to 90%
Authentication standard	FCC/CE/ROHS

Copyright © Huawei Technologies Co., Ltd.

2.4.2 Technical Specifications

Table 2-7 eSpace 7850 technical specifications

Item	Description
Line	6 straight-through lines10 programmable soft keys (excluding line keys)
Voice quality	High-definition (HD) encoding, speaker, and handset
Protocol	SIP v1 (RFC 2543), SIP v2 (RFC 3261), IPv6, UDP/TCP/TLS, Out-of-band DTMF (RFC 2833), In-band DTMF, SIP INFO DTMF, STUN client (NAT traversal), DNS SRV (RFC 3263), Reliability of provisional responses (RFC 3262), Offer/answer (RFC 3264), Subscription for MWI events (RFC 3265), Dialog-state monitoring (RFC 4235), REFER (RFC 3515)
Function key	6 navigation keys, 1 volume adjustment bar, and 8 special function keys (Voice Mail, headset, conference, hold, mute, transfer, redial, and speaker)
Voice feature	Full-duplex handset, speaker, and headset
	Advanced DSP technology
	Dynamic negotiation codec and voice effective load
	Voice encoding standards including G723.1,G726,G729AB,G722,G.711 A-law/μ-law and iLBC.
	In-band and out-band DTMF transmitting
	Echo cancellation
	Sidetone cancellation with support of advanced jitter buffer, packet delay, and packet loss compensation
Technical feature	User-friendly GUIs, remote address book download. call hold, call forward, DND, call transfer, call waiting, mute, redial, call history, volume control, caller ID display,3-way conferencing,speed Dial, calling name and department dispaly, and auto answer
Network configuration	Network configuration keys, LCD, Web page, or Advanced Encryption Standard (AES) encrypted configuration file
	Manual static network configuration and dynamic network configurations provided by the DHCP server
Software upgrade	Software upgrade using TFTP, FTP, HTTP, or HTTPS
	Dedicated Uniform Resource Locator (URL) for downloading the configuration file and upgrade file
Security guarantee	HTTPS (server/client), Transport Layer Security (TLS), SRTP (RFC3711), AES for encrypting AUTO-P configuration files

Copyright © Huawei Technologies Co., Ltd.

3 Configuring eSpace 7850

3.1 Configuration Using the LCD

When configuring functions of eSpace 7850, you must access the **Basic Settings** page or **Features** page first.

- To access the **Basic Settings** page, proceed as follows:

1. Press the soft key **Menu** in the standby state.
2. Select **[Settings]** and press the **OK** key.
3. Select **[Basic Settings]** and press the **OK** key.

- To access the **Features** page, proceed as follows:

1. Press the soft key **Menu** in the standby state.
2. Select **[Features]**and press the **OK** key.

3.1.1 Setting the Language

To modify the language on the eSpace 7850 LCD, proceed as follows:

1. Access the **Basic Settings** page.
2. Select **[Language]** and press the **OK** key.
3. Select a required language and press the soft key **Save**.

3.1.2 Setting the Time and Date

To set the time and date, proceed as follows:

1. Access the **Basic Settings** page.
2. Select **[Time & Date]** and press the **OK** key.
3. Select a setting mode as required.
   - SNTP Settings

     eSpace 7850 automatically obtains the Universal Time Coordinated (UTC) time from a dedicated NTP server. Use the up and down keys to set configuration items such as **Time Zone**, **NTPServer1/NTPServer2**, and **Daylight Saving**.

NOTE

To enable daylight saving, you must manually set related parameters on the Web page. Table 3-5 lists details about these parameters.

Copyright © Huawei Technologies Co., Ltd.

- Manual Setting

  Use navigation keys and digital keys to manually set the time and date.

- DHCP Time

  To enable DHCP time, use the left and right keys. After obtaining time offset from the DHCP server and UTC time from the NTP server, eSpace 7850 calculates the actual time.

NOTE

To make DHCP time take effect, configure that eSpace 7850 obtains the IP address in DHCP mode, enable DHCP time, and use SNTP to obtain UTC time.

4. Press the soft key **Save**.

3.1.3 Setting Time and Date Formats

eSpace 7850 allows users to set time and date formats as required. To set time and date formats, proceed as follows:

1. Access the **Basic Settings** page.
2. Select **[Time & Date]** and press the **OK** key.
3. Select **[Time & Date Format]** and press the **OK** key.
4. Select **[Clock]** and use the left and right keys to switch between time formats **24 Hour** and **12 Hour**.
5. Select **[Date Format]**, and use the left and right keys to switch among seven date formats.
6. Press the soft key **Save**.

3.1.4 Setting the Ring Tone

To set the ring tone, proceed as follows:

1. Access the **Basic Settings** page.
2. Select **[Ring Tone]** and press the **OK** key.
3. Use the up and down keys to select a ring tone.
4. Press the soft key **Save**.

If you want to cancel the setting, press the soft key **Back** to return to the previous menu.

3.1.5 Setting the Volume

eSpace 7850 allows you to adjust the volume of the handset, speaker, headset, and ring tone.

To adjust the volume in the standby state, proceed as follows:

1. Access the **Basic Settings** page.
2. Select **[Phone Volume]** and press the **OK** key.
3. Select an object, press the **OK** key, and use the volume adjustment bar or left and right key to adjust the volume.
4. Press the soft key **OK**.

If you want to cancel the setting, press the soft key **Back** to return to the previous menu.

During a conversation, the volume adjustment bar is used to adjust the volume of the current answer mode (handset, speaker, or headset).

Copyright © Huawei Technologies Co., Ltd.

In the standby or ringing state, the volume adjustment bar is used to adjust the volume for the ring tone.

3.1.6 Configuring the Call Forward Function

eSpace 7850 supports three call forward modes: **Always Forward**, **Busy Forward**, and **No Answer Forward**.

To configure the call forward function, proceed as follows:

1. Access the **Features** page.
2. Select **[Call Forward]** and press the **OK** key.
3. Select a call forward mode and press the **OK** key.
4. Press the soft key **Switch** enable or disable it.
5. Enter the forwarded-to number.
6. Press the soft key **Save**.

NOTE

If you set the call forward mode to **No Answer Forward**, you must set **After Ring Times**.

To implement fast call forward, assign the call forward function to a DSS key. For details, see DSS Key.

3.1.7 Configuring the Call Waiting Function

When you are in a conversation and a new call comes, you can make the new call wait.

To configure the call waiting function, proceed as follows:

1. Access the **Features** page.
2. Select **[Call Waiting]** and press the **OK** key.
3. Press the soft key **Switch** to enable or disable the call waiting function, and enable or disable the prompt tone.
4. Press the soft key **Save**.

After configuring the call waiting function, register this function on the SIP server. To register the calling waiting function on the SIP server, proceed as follows:

1. Pick up the phone or press the key **Speaker**.
2. Enter ***58#**, and press the soft key **Send**.

eSpace 7850 plays an announcement indicating that the function has been registered successfully. The call waiting function takes effect.

3.1.8 Setting DSS Keys

eSpace 7850 provides Direct Station Selection (DSS) keys. You can assign various functions to DSS keys for using these functions quickly. DSS keys include memory keys, line keys, programmable keys, and expansion keys.

NOTE

eSpace 7850 allows you to set memory keys, line keys, and expansion keys.

You can set DSS keys on the Web page. For details, see DSS Key.

To set memory keys or line keys, proceed as follows:

Copyright © Huawei Technologies Co., Ltd.

1. Access the **Features** page.
2. Select **[DSS Keys]** and press the **OK** key.
3. Select **[Line keys as DSS keys]** or **[Memory Keys as DSS Keys]**, and press the **OK** key.
4. Select a key to be configured and press the **OK** key.
5. Press the soft key **Switch**, select a function, and set parameters based on the function that you select.
6. Press the soft key **Save**

To set expansion keys, proceed as follows:

1. Connect an expansion module to eSpace 7850, and press an expansion key to be configured for about five seconds.

   The configuration page is displayed.
2. Press the soft key **Switch**, select a function, and set parameters based on the function that you select.
3. Press the soft key **Save**

NOTE

Settings vary according to the function that you select. Parameters and related settings are similar on the eSpace 7850 LCD and Web page. For details, see contents in Table 3-7 and Table 3-8.

3.1.9 Setting the Send Key

eSpace 7850 allows you to set a key such as the pound key (#) or star key (*) to the send key. By default, this function is disabled.

To set the send key, proceed as follows:

1. Access the **Features** page.
2. Select **[Key as Send]** and press the **OK** key.
3. Press the soft key **Switch**, select a key, and set this key to the send key.
4. Press the soft key **Save**.

NOTE

By default, the pound key (#) and star key (*) are set as eSpace U19xx's service feature codes. If you set the pound key (#) or star key (*) as the send key, the eSpace U19xx's service feature codes whose last digit is the pound key (#) or star key (*) will not be available.

3.1.10 Setting the Hot Line

The hot line function works when users pick up the handset or press the speaker key but do not dial any numbers or hang up within the preset duration.

To set the hot line, proceed as follows:

1. Access the **Features** page.
2. Select **[Hot Line]** and press **OK**.
3. Enter the hot line number and set hot line delay.
4. Press the soft key **Save**.

3.1.11 Configuring the History Setting Function

After you enable the history setting function,eSpace 7850 saves all call records.

Copyright © Huawei Technologies Co., Ltd.

To configure the history setting function, proceed as follows:

1. Access the **Features** page.
2. Select **[History Setting]** and press the **OK** key.
3. Press the soft key **Switch** to enable or disable the History Setting function.
4. Press the soft key **Save**.

3.1.12 Configuring the AA Login (Available for Huawei UC2.0 Solution)

You can obtain the login information, register with the related servers, and obtain related services by the Authentication Assertion (AA) login service module.

1. Access the main menu of the IP phone.
2. Select **Login** and press **OK**.

   If the IP phone has been configured with an account, select **Logout** and press **OK** to deregister the existing account.
3. Enter the values of **Extension**, **password**, **Server**, and **Port**.
4. Press the **LogIn** softkey.

----End

NOTE
You can obtain the values of **Extension**, **password**, **Server**, and **Port** from your system administrator.

3.2 Configuration Using the Web Page

3.2.1 Establishing a Configuration Environment

Before accessing the Web configuration page, proceed as follows to establish a configuration environment and obtain eSpace 7850's IP address.

1. Obtain a PC that meets the following requirements:
   - Installs Ethernet adapters and supports TCP/IP.
   - Runs the Window 98 or later operating system.
   - Installs a Web browser such as Microsoft Internet Explorer 6.0 or later, Firefox, and Google.
   - Supports the resolution 800 x 600 or higher.
2. Press the **OK** key on eSpace 7850 to obtain the IP address.

   If the eSpace 7850's IP address cannot be obtained, contact the system administrator.
3. Connect eSpace 7850 and the PC to networks where they can communicate with each other.

   You can connect eSpace 7850 and the PC to a Hub or a switch. If there is no Hub or switch, connect the PC to the PC port on eSpace 7850.

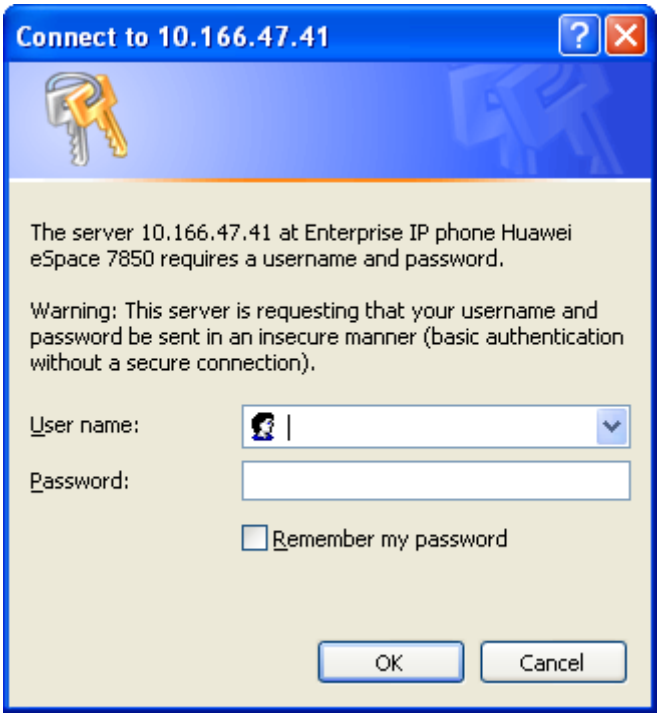
3.2.2 Accessing the Web Configuration Page

To access the Web configuration page, proceed as follows:

Copyright © Huawei Technologies Co., Ltd.

1. Start the Web browser on the PC.
2. Enter the eSpace 7850's IP address in the address box, and press **Enter**.
3. Enter the user name and password (both **user** by default) and click **OK**, as shown in Figure 3-1.

Figure 3-1 Accessing the Web configuration page


Connect to 10.166.47.41
The server 10.166.47.41 at Enterprise IP phone Huawei eSpace 7850 requires a username and password.
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).
User name:
Password:
Remember my password
OK
Cancel

3.2.3 Tab Pages on the Web Configuration Page

Tab pages on the Web configuration page are describes as follows:

- Status: displays information about eSpace 7850's network and version.
- Account: configures account registration or deregistration and some basic functions.
- Network: includes Internet (WAN) port and PC port.
- Phone: includes basic settings (such as date and time) and function settings.
- Contacts: configures information about address books.
- Upgrade: restarts eSpace 7850.
- Security: changes the password and uploads the trusted certificates and server certificates.

3.2.4 Status Tab Page

On the **Status** tab page, you can view eSpace 7850's network and version information, as shown in Figure 3-2.

Copyright © Huawei Technologies Co., Ltd.

Figure 3-2 Status tab page

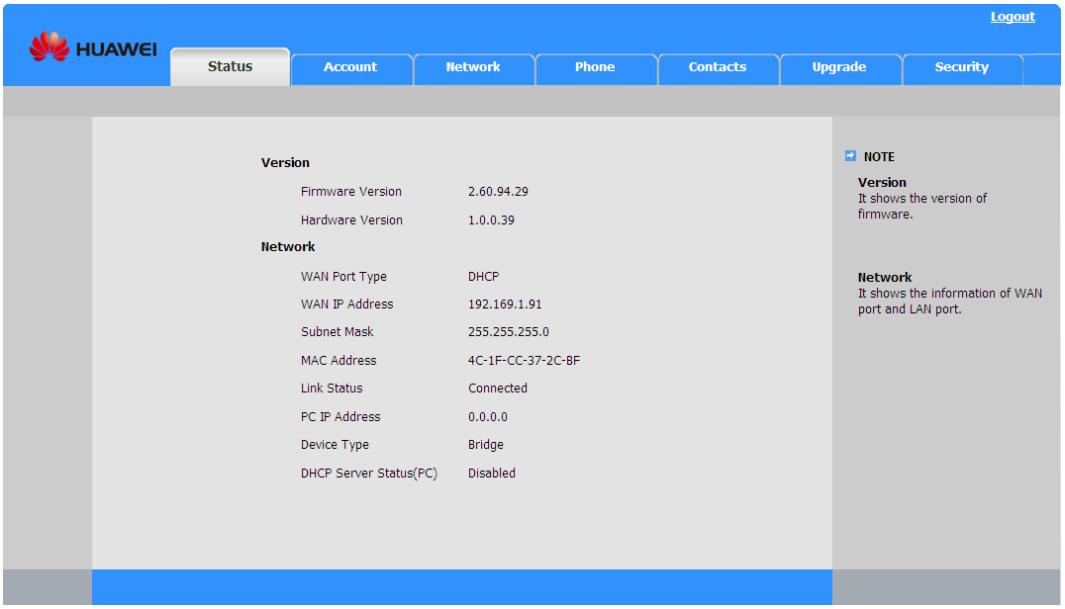


Table 3-1 lists parameters on the Status tab page

Table 3-1 Parameters on the Status tab page

Parameter	Description
Firmware Version	eSpace 7850 firmware version number. It is used to check the upgrade result.
Hardware Version	eSpace 7850 hardware version number.
WAN Port Type	Method of obtaining network information.
WAN IP Address	eSpace 7850's IP address.
Subnet Mask	eSpace 7850's subnet mask.
MAC Address	Unique hexadecimal ID of eSpace 7850. The MAC address is used when you configure eSpace 7850s in batches.
Link Status	Connection status of the WAN port.
PC IP Address	IP address of the LAN port.
Device Type	Connection type of the LAN port.
DHCP Server Status (PC)	DHCP service status of the LAN port. The options are Enabled and Disabled.

Copyright © Huawei Technologies Co., Ltd.

3.2.5 Account Tab Page

On the **Account** tab page, you can configure information for an eSpace 7850's account such as registration and deregistration, as shown in Figure 3-3.

Figure 3-3 Account tab page

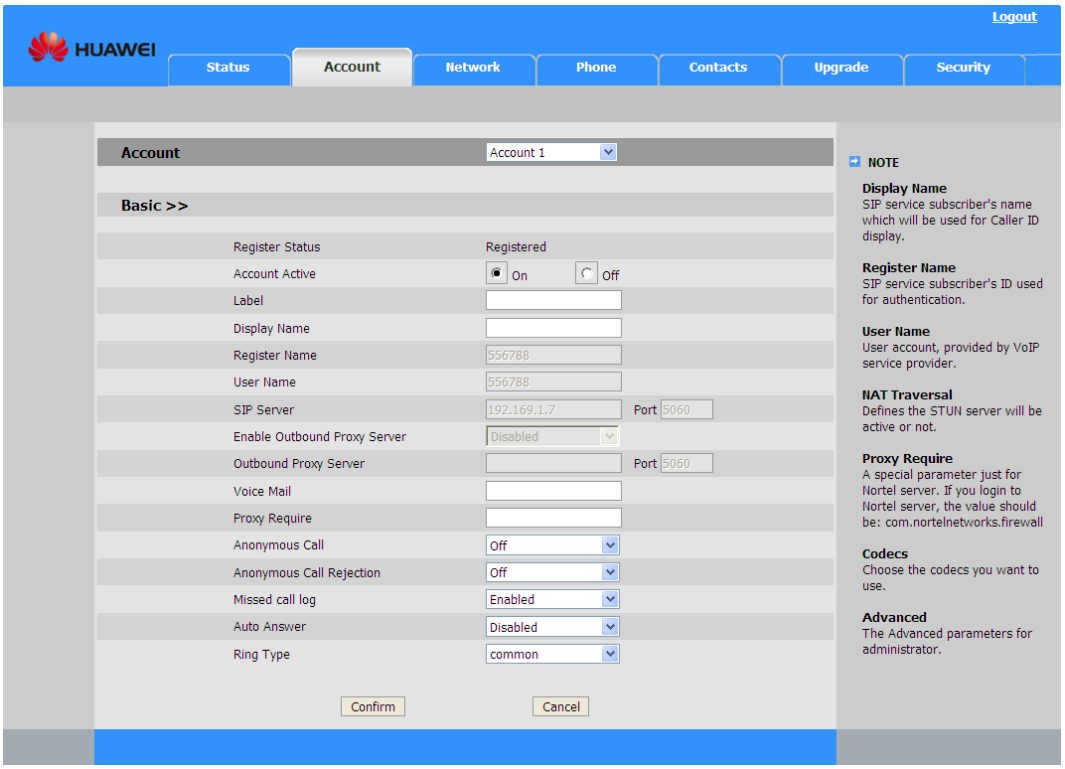


Table 3-2 lists parameters on the Account tab page.

Table 3-2 Parameters on the Account tab page

Parameter	Description
Register Status	Status of the account that you select. The options are **Registered**, **Registering**, **DISABLE**, **Unknown**, and **Register Fail**.
Account Active	Indicates whether to activate the account. The default value is **Off**.
Label	Account name that is displayed on the standby LCD.
Display Name	Calling party name that is displayed on the LCD of the called party.
Register Name	Account name that is specified by the carrier. Only the administrator can set this parameter.
User Name	Account name that is specified by the VoIP service provider. The value is similar to a phone number or is a phone number.

Copyright © Huawei Technologies Co., Ltd.

Parameter	Description
	Only the administrator can set this parameter.
SIP Server	IP address or domain name of the SIP server that is specified by the VoIP service provider. Only the administrator can set this parameter.
Enable Outbound Proxy Server	Indicates whether to enable the outbound proxy server. This parameter is available when the firewall or NAT is deployed and can be set only by the administrator.
Outbound Proxy Server	IP address or domain name of the outbound proxy server. The outbound proxy server helps signals and media data pass the firewall or implement NAT traversal. Only the administrator can set this parameter.
Voice Mail	Voice mailbox access code. After setting this parameter, you can press the **Messages** key to connect to the voice mailbox server.
Proxy Require	Parameter for the Nortel platform. If IP phones register with the Nortel platform, this parameter is mandatory. The parameter value is fixed at **com.nortelnetworks.firewall**. If the parameter value is incorrect, contact Nortel for help.
Anonymous Call	Indicates whether to enable the anonymous call function. • If you select **On**, the user name and phone number corresponding to an account are not displayed on the called party's phone if you use this account to make a call. • If you select **Off**, the user name and phone number corresponding to an account are displayed on the called party's phone if you use this account to make a call.
Anonymous Call Rejection	Indicates whether to enable the anonymous call rejection function. • If you select **On**, an anonymous call made to this account is rejected. • If you select **Off**, anonymous calls made to this account are received.
Missed call log	Indicates whether to record missed calls. If you select **Disabled**, eSpace 7850 does not record calls that you miss.
Auto Answer	Indicates whether to enable auto answer. If you select **Enabled**, incoming calls are automatically connected for the current account.
Ring Type	Ring tone of the current account.

Copyright © Huawei Technologies Co., Ltd.

3.2.6 Network Tab Page

Internet Port (WAN)

Figure 3-4 shows the **Internet Port (WAN)** area on the **Network** tab page.

Figure 3-4 Internet Port (WAN) area

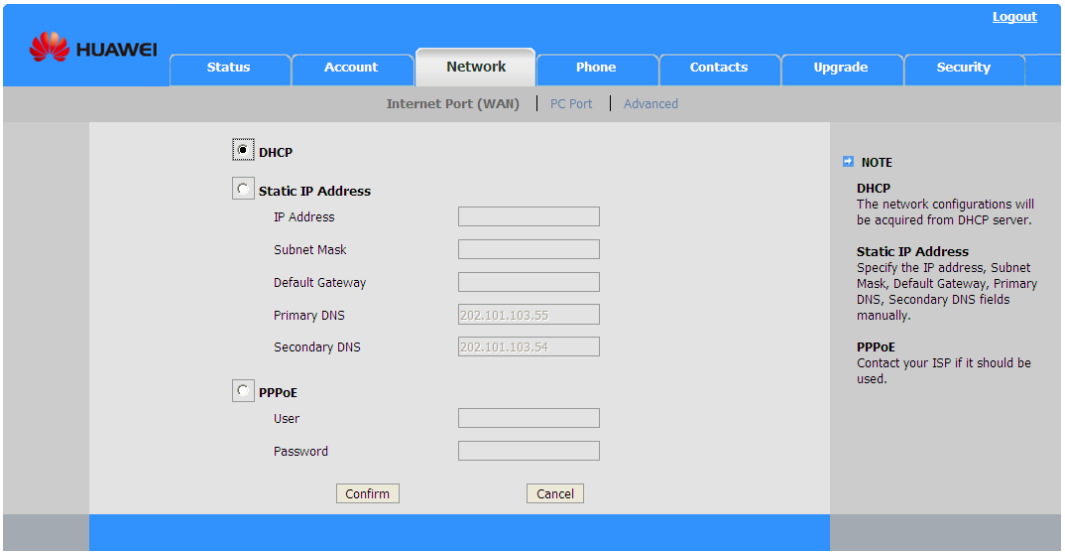


Table 3-3 lists parameters in the **Internet Port (WAN)** area.

Table 3-3 Parameters in the Internet Port (WAN) area

Parameter	Description
DHCP	If you select the **DHCP** check box, eSpace 7850 automatically attempts to connect to the DHCP server for obtaining resources such as the IP address, subnet mask, gateway, and DNS server information.
Static IP Address	If you click the **Static IP address** option button, you must manually set network parameters. For details about these parameters, contact the network administrator.
IP Address	eSpace 7850's IP address.
Subnet Mask	eSpace 7850's subnet mask.
Default Gateway	Default gateway of eSpace 7850.
Primary DNS	IP address of the primary DNS server.
Secondary DNS	IP address of the secondary DNS server.
PPPoE	you can connect eSpace 7850 to the network in PPPoE mode. For details about the user name and password, contact the network service provider.
User	User name that is specified by the network service provider.

Copyright © Huawei Technologies Co., Ltd.

Parameter	Description
Password	Password that is specified by the network service provider.

PC Port

Figure 3-5 shows the **PC Port** area on the **Network** tab page.

Figure 3-5 PC Port area

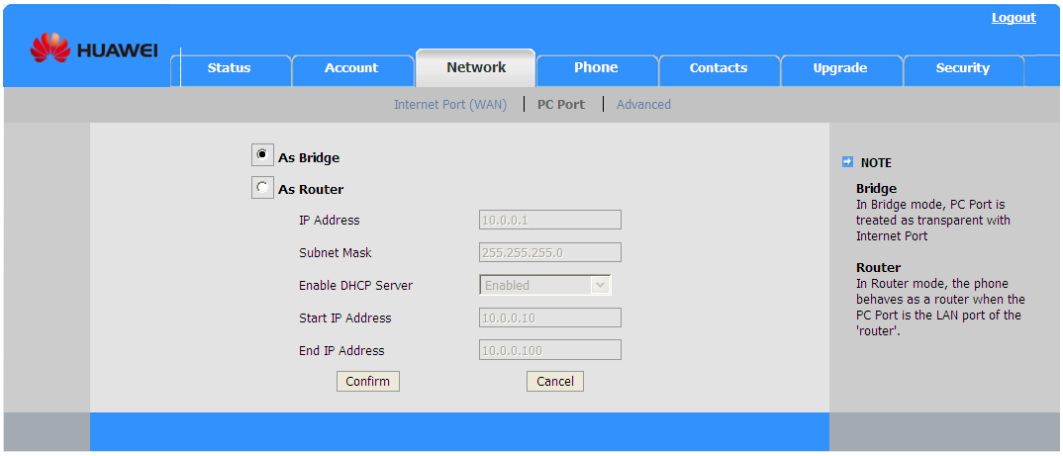


Table 3-4 lists parameters in the **PC Port** area.

Table 3-4 Parameters in the PC Port area

Parameter	Description
As Bridge	If you select the **As Bridge** check box, the PC port works in bridge mode.
As Router	If you select the **As Router** option button, eSpace 7850 functions a router, and you must set related parameters. For details about these parameters, contact the network administrator.
IP Address	IP address of eSpace 7850 when it functions as a router.
Subnet Mask	Subnet mask of eSpace 7850 when it functions as a router.
Enable DHCP Server	Indicates whether to enable the DHCP function.
Start IP Address	Start IP address in the DHCP server address pool.
End IP Address	End IP address in the DHCP server address pool.

Copyright © Huawei Technologies Co., Ltd.

3.2.7 Phone Tab Page

Preference

Figure 3-6 shows the **Preference** area on the **Phone** tab page

Figure 3-6 Preference area

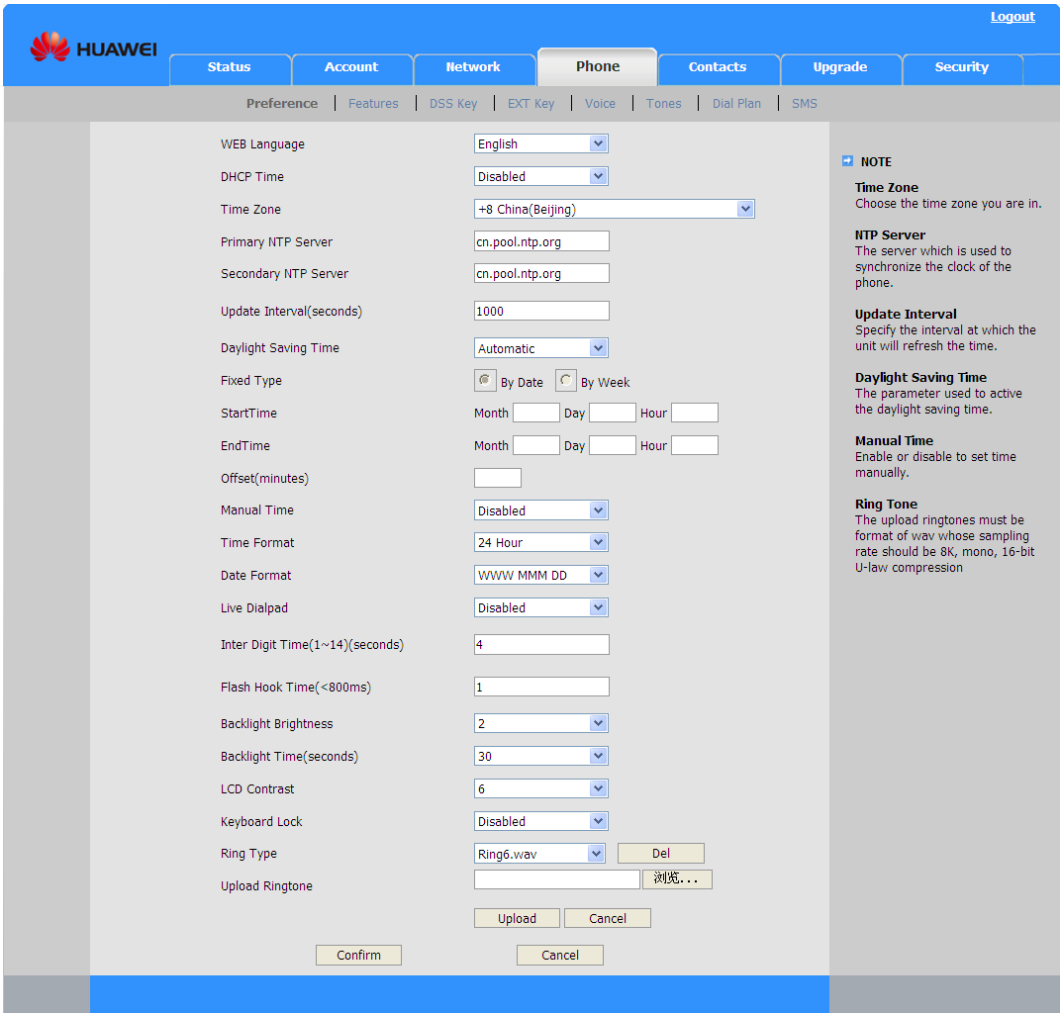


Table 3-5 lists parameters in the **Preference** area

Table 3-5 Parameters in the Preference area

Parameter	Description
WEB Language	Language displayed on Web pages.
DHCP Time	Indicates whether to obtain time offset from the DHCP server.
Time Zone	Local time zone.
Primary NTP Server	IP address of the primary NTP server that provides the UTC

Copyright © Huawei Technologies Co., Ltd.

Parameter	Description
	time.
Secondary NTP Server	IP address of the secondary NTP server that provides the UTC time.
Update Interval(seconds)	Interval at which eSpace 7850 obtains the UTC time from the NTP server.
Daylight Saving Time	Mode of enabling the Daylight Saving Time (DST).
Fixed Type	Mode of setting the DST. This parameter is available when you set **Daylight Saving Time** to **Manual**.
Start Time	Start time of the DST. This parameter is available when you set **Daylight Saving Time** to **Manual**.
End Time	End time of the DST. This parameter is available when you set **Daylight Saving Time** to **Manual**.
Offset(minutes)	Time offset of the DST. This parameter is available when you set **Daylight Saving Time** to **Manual**.
Manual Time	Indicates whether to enable manual time setting.
Time Format	Format in which time is displayed. The options are **12 Hour** and **24 Hour**.
Date Format	Format in which date is displayed.
Live Dialpad	Indicates whether to enable automatic call for the number that you enter on the standby LCD. The options are: • **Enabled**: eSpace 7850 automatically calls an entered number after the duration specified by **Inter Digit Time**. • **Disabled**: eSpace 7850 returns to the standby state 14 seconds after you dial a number.
Inter Digit Time(1~14)(seconds)	Delay of an automatic call to the number that you dial.
Flash Hook Time(<800ms)	Duration when the hookflash key is held down. • A call is released if you hold down the flashhook key for the time equal to or longer than the time specified by this parameter. • A call is held if you hold down the flashhook key for the time shorter than the time specified by this parameter.
Backlight Brightness	Brightness of eSpace 7850's backlight.
Backlight Time(seconds)	Duration when the backlight is displayed. The backlight displays for this duration after you stop performing operations

Copyright © Huawei Technologies Co., Ltd.

Parameter	Description
	on an eSpace 7850.
LCD Contrast	Contrast of eSpace 7850's screen.
Keyboard Lock	Indicates whether to lock certain keys. The options are: • **Disabled**: Do not lock the Keyboard. • **Menu Key**: Lock the menu key only. • **Function Keys**: Lock function keys only. • **All Keys**: Lock all keys. • **Lock&Answer**: Lock all keys and answer calls automatically. To unlock a key, press **Menu** and enter the password **admin**.
Ring Type	eSpace 7850's ring tone.
Upload Ringtone	Ring tone file that you upload. Click **Browse** to select a .wav file whose size does not exceed 100 KB, and click **Upload**.

Features

Figure 3-7 shows the Features area on the Phone tab page

Copyright © Huawei Technologies Co., Ltd.

Figure 3-7 Features area

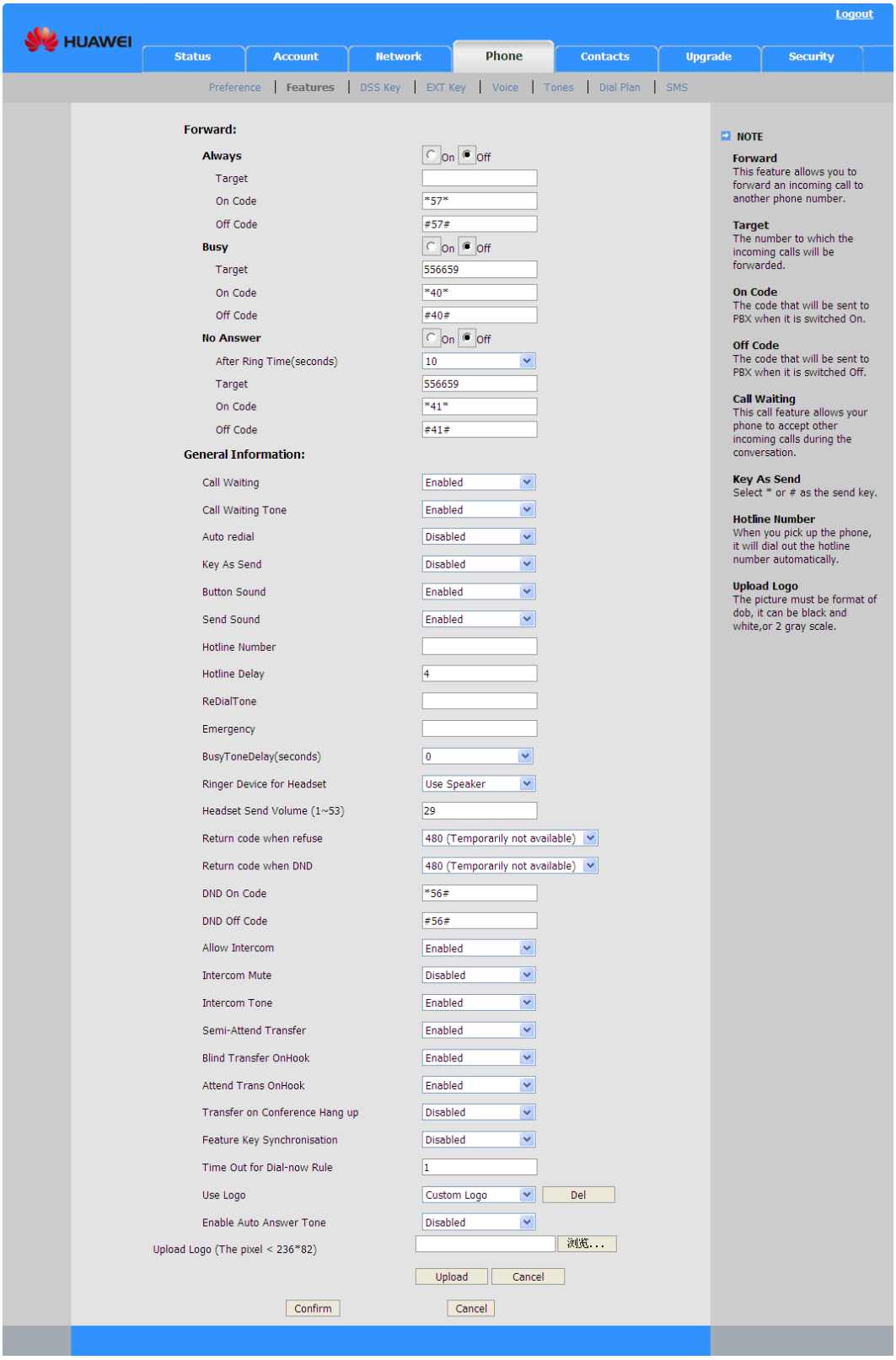


Figure 3-7 lists parameters in the **Features** area.

Copyright © Huawei Technologies Co., Ltd.

Table 3-6 Parameters in the Features area

Parameter	Description
Forward	Configures the call forward function. Call forward types include **Always**, **Busy**, and **No Answer**.
Always	Indicates whether to always enable the call forwarding function. If you select **On**, eSpace 7850 forwards all incoming calls to a preset number.
Target	Number that incoming calls are forwarded to.
On Code	Code for enabling the always forwarding function. After eSpace 7850 sends this code to the PBX, the always forwarding function is enabled.
Off Code	Code for disabling the always forwarding function. After eSpace 7850 sends this code to the PBX, the always forwarding function is disabled.
Busy	Indicates whether to enable the busy forwarding function. If you select **On**, eSpace 7850 forwards incoming calls to the preset number when eSpace 7850 is in a conversation and does not enable the call waiting function.
Target	Number that incoming calls are forwarded to.
On Code	Code for enabling the busy forwarding function. After eSpace 7850 sends this code to the PBX, the busy forwarding function is enabled.
Off Code	Code for disabling the busy forwarding function. After eSpace 7850 sends this code to the PBX, the busy forwarding function is disabled.
No Answer	Indicates whether to enable the no answer forwarding function. If you select **On**, eSpace 7850 forwards incoming calls to the preset number when they are not answered within the preset duration.
After Ring Time(seconds)	Maximum no-answer duration to forward incoming calls.
Target	Number that incoming calls are forwarded to.
On Code	Code for enabling the no answer forwarding function. After eSpace 7850 sends this code to the PBX, the no answer forwarding function is enabled.
Off Code	Code for disabling the no answer forwarding function. After eSpace 7850 sends this code to the PBX, the no answer forwarding function is disabled.
General Information	Configures eSpace 7850's basic functions.
Call Waiting	Indicates whether to enable the call waiting function.
Call Waiting Tone	Indicates whether to plays a prompt tone when a new call comes during a conversation. This parameter is available when the call waiting function is enabled.

Copyright © Huawei Technologies Co., Ltd.

Parameter	Description
Auto redial	Indicates whether to automatically redial a number if a call attempt fails.
Auto redial interval(1~300s)	Duration between two consecutive redials. This parameter is available when the auto redial function is enabled.
Auto redial times(1~300)	Number of auto redial times. This parameter is available when the auto redial function is enabled.
Key As Send	Indicates whether to enable the send key.
Button Sound	Indicates whether to enable the keypad tone.
Send Sound	Indicates whether to enable the dial tone for the send key.
Hotline Number	Hotline number that eSpace 7850 automatically connects to if you do not dial a number or perform any other operations within the hotline delay time after picking up the handset or pressing the hands-free key to enter the dial screen.
Hotline Delay	Delay of making a call to the hotline number.
ReDialTone	Number that will not cancel the dial tone after it is entered.
Emergency	Number that you can make a call to even if you lock all keys.
Busy Tone Delay(seconds)	Delay of playing the busy tone when the called party hangs up.
Ringer Device for Headset	Ringing device when a call comes. The options are headset and speaker.
Headset Send Volume(1~53)	Volume of the headset.
Return code when refuse	Message that eSpace 7850 sends to the calling party when eSpace 7850 rejects the call.
Return code when DND	Message that eSpace 7850 sends to the calling party when eSpace 7850 enables the DND function.
DND On Code	Code for enabling the DND function. After eSpace 7850 sends this code to the SIP server, the DND function is enabled.
DND Off Code	Code for disabling the DND function. After eSpace 7850 sends this code to the SIP server, the DND function is disabled.
Semi-Attend Transfer	Indicates whether to enable the semi-attend transfer. The options are: • **Enabled**: If you press the Transfer key when there is an incoming call from a third party, your number is displayed on the third party's terminal. • **Disabled**: If you press the Transfer key when there is an incoming call from a third party, the number of the party to whom you want to transfer this call is displayed on the third party's terminal. For details about how to set call transfer, see 4.7 Call Transfer.

Copyright © Huawei Technologies Co., Ltd.

Parameter	Description
Blind Transfer OnHook	• Indicates whether to enable the blind transfer function. • **Enabled**: the blind transfer service function is available. • **Disabled**: the blind transfer service function is unavailable. For details about how to set call transfer, see 4.7 Call Transfer.
Attend Trans OnHook	• Indicates whether to enable the consult transfer function. • **Enabled**: the attend transfer function is available. • **Disabled**: the attend transfer function is unavailable. For details about how to set call transfer, see 4.7 Call Transfer.
Transfer on Conference Hang up	Indicates whether to retain the connection between the other two parties in a three-party conference when the conference initiator hangs up. • **Enabled**: When a conference initiator hangs up, the other two parties can talk normally. • **Disabled**: When a conference initiator hangs up, the other two parties' calls end automatically.
Time Out for Dial-now Rule	Delay of making a call automatically when the dial-now rule is used.
Use Logo	User logo. You can use **System logo** or select **Custom logo** to upload a logo.
Upload Logo (The pixel<236*82)	This parameter is available only when you select **Custom logo**. Click **Browse** to select a logo, and click **Upload**. A logo to upload must be in the .dob format. For details on how to creating a logo, see the *Huawei IP Phone eSpace 7810&7820&7830&7850&7870&7803X Administrator Guide* or consult the enterprise administrator.

DSS Key

In the **DSS Key** area, you can set **Memory Key**, **Line Key** and **Programmable Key**.

Line keys

Users can also assign functions, for example, speed dial to a line key. Figure 3-9 shows line key settings.

Table 3-7 lists parameters on both the eSpace 7850 screen and Web configuration page.

Table 3-7 Parameters on both the eSpace 7850 screen and Web page

Phone Screen	Web Page	Description
Type	Type	Function that you assign to a line key.
Key Type		
Label	Label	Self-defined function name, which is displayed on

Copyright © Huawei Technologies Co., Ltd.

Phone Screen	Web Page	Description
		the screen of the expansion module.
Value Xml Browser	Value	Setting based on the functions that you assign. For example, if you assign the speed dial function to a memory key, enter the speed dial number in the **Value** text box.
Account ID	Line	Account that you configure a function for.
Extension	Extension	Extension number. This parameter is available for the BLF function only.

Memory keys

Memory keys enable you to quickly use a function. For example, after you assign the speed dial function to a memory key, you can make a call to a preset number quickly. Figure 3-8 shows memory key settings.

Figure 3-8 Setting memory keys

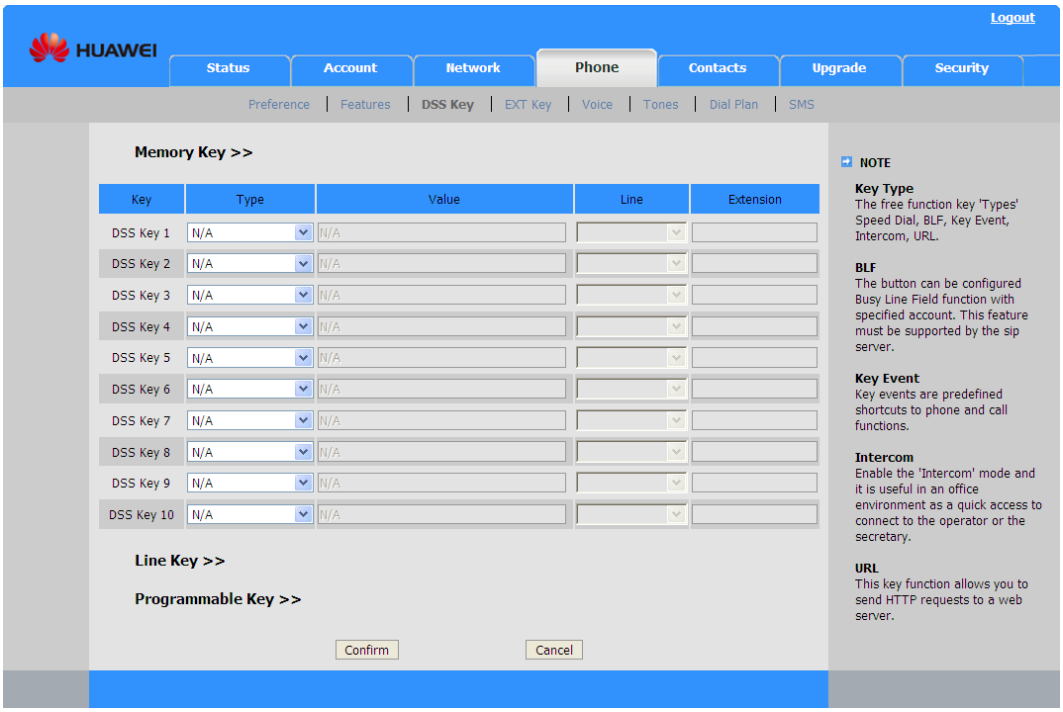


Table 3-8 lists functions of memory keys.

Copyright © Huawei Technologies Co., Ltd.

Table 3-8 Functions of memory keys

Web Page	Phone Screen	Description	Setting		
			Value	Line	Extension
N/A	N/A	Assigns no function.	This parameter is dimmed.	This parameter is dimmed.	This parameter is dimmed.
Line	Line	Functions as a line key.	This parameter is dimmed.	Select **Auto** or **Line 1** to **Line 6**.	This parameter is dimmed.
Speed Dial	Speed Dial	Connects to a preset speed dial number.	Enter the speed dial number.	Select **Auto** or **Line 1** to **Line 6**.	You do not need to set this parameter.
BLF	BLF	Listens on a number. When the BLF function is enabled, you can know the real-time status of the listened on number, such as idle, ringing, or talking.	Enter the number to be listened on.	Select **Line 1** to **Line 6**.	Enter a function code. For details about function codes, contact your system administrator.
Voice Mail	Voice Mail	Obtains voice messages.	Enter the code for connecting to a voice mailbox.	Select **Line 1** to **Line 6**.	This parameter is dimmed.
Pick Up	Pick Up	Picks up calls for a preset number.	Enter the function code and the pickup number in the format *11*TN#. Here, TN is the pickup number.	Select **Line 1** to **Line 6**.	This parameter is dimmed.
Group Pickup	Group Pickup	Picks up calls in a group.	Enter the group pickup code *11#.	Select **Auto** or **Line 1** to **Line 6**.	This parameter is dimmed.
Call Park	Call Park	Parks calls for another account on	Enter an account that calls are	Select **Line 1** to **Line 6**.	This parameter is

Copyright © Huawei Technologies Co., Ltd.

Web Page	Phone Screen	Description	Setting		
			Value	Line	Extension
		eSpace 7850 when the current account is busy. Alternatively, connects to a preset speed dial number when eSpace 7850 is in standby state.	parked for, for example, 123.		dimmed.
DTMF	DTMF	Simplifies the second dialing. If a number is dialed frequently at the second dialing stage, the number can be set for a memory key, which improves work efficiency.	Enter a number that is frequently dialed at the second stage.	This parameter is dimmed.	This parameter is dimmed.
Prefix	Prefix	Specifies the same prefix of numbers that you often dial. The prefix is displayed on the eSpace 7850 screen when you press this key.	Enter the prefix.	This parameter is dimmed.	This parameter is dimmed.
Local Group	Local Dir	Views the local address book quickly.	This parameter is dimmed.	Select Contacts (containing all local numbers) or a group if any.	This parameter is dimmed.
XML Group	Xml PhoneBook	Views a remote	This parameter is	Select a remote	This parameter is

Copyright © Huawei Technologies Co., Ltd.

Web Page	Phone Screen	Description	Setting		
			Value	Line	Extension
		address book quickly.	dimmed.	address book that you want to view.	dimmed.
XML Browser	XML Browser	Specifies a browser based on the XML language. The browser can be used to view weather forecast, stock information, and news.	Enter a URL.	This parameter is dimmed.	This parameter is dimmed.
LDAP	LDAP	Views the Lightweight Directory Access Protocol (LDAP) address book.	This parameter is dimmed.	This parameter is dimmed.	This parameter is dimmed.
Conference	Conf	Sets up a conference during a conversation.	This parameter is dimmed.	This parameter is dimmed.	This parameter is dimmed.
Forward	Forward	Forwards calls. The call forward function varies according to eSpace 7850 status. In the standby state • If the call forwarding unconditional (CFU) number is not configured on the	Enter the number that calls are forwarded to.	This parameter is dimmed.	This parameter is dimmed.

Copyright © Huawei Technologies Co., Ltd.

Web Page	Phone Screen	Description	Setting		
			Value	Line	Extension
		eSpace IP phone, you can press the Programmable key to enter the CFU configuration page. • If the CFU number is configured on the eSpace IP phone, you cannot enter the CFU configuration page by pressing the memory key. The Programmable key is only used to enable or disable the CFU service. In the ringing state • If the CFU number is not configured on the eSpace IP phone and the memory key value			

Copyright © Huawei Technologies Co., Ltd.

Web Page	Phone Screen	Description	Setting		
			Value	Line	Extension
		is configured, incoming calls are directly transferred to the number configured for the memory key. • If the CFU number is configured on the eSpace IP phone, you can press the memory key to transfer incoming calls to the CFU number.			
Transfer	Transfer	Transfers calls.	If this parameter is left blank, this key functions as the transfer key. If this parameter is set to a number, press this key to transfer a call to the preset number.	This parameter is dimmed.	This parameter is dimmed.
Hold	Hold	Holds calls.	This parameter is dimmed.	This parameter is dimmed.	This parameter is dimmed.
DND	DND	Functions as the DND key.	This parameter is dimmed.	This parameter is dimmed.	This parameter is dimmed.

Copyright © Huawei Technologies Co., Ltd.

Web Page	Phone Screen	Description	Setting		
			Value	Line	Extension
Redial	Redial	Accesses the **Dialed** page in the standby state.	This parameter is dimmed.	This parameter is dimmed.	This parameter is dimmed.
Call Return	Call Return	Calls back the last calling party.	This parameter is dimmed.	This parameter is dimmed.	This parameter is dimmed.
Paging	Paging	Enables the broadcast function. You need a VoIP PBX server where a paging group is configured to support the broadcast function. After you press this key, numbers in the paging groups are connected.	Set numbers in the paging group.	Select Auto or Line 1 to Line 6.	This parameter is dimmed.
Group Listening	Group Listening	Functions as the group listening key. During a conversation in the handset mode, after you press this key, the handset and speaker play voices, but the peer party can hear the voices only from the handset. During a conversation in the headset	This parameter is dimmed.	This parameter is dimmed.	This parameter is dimmed.

Copyright © Huawei Technologies Co., Ltd.

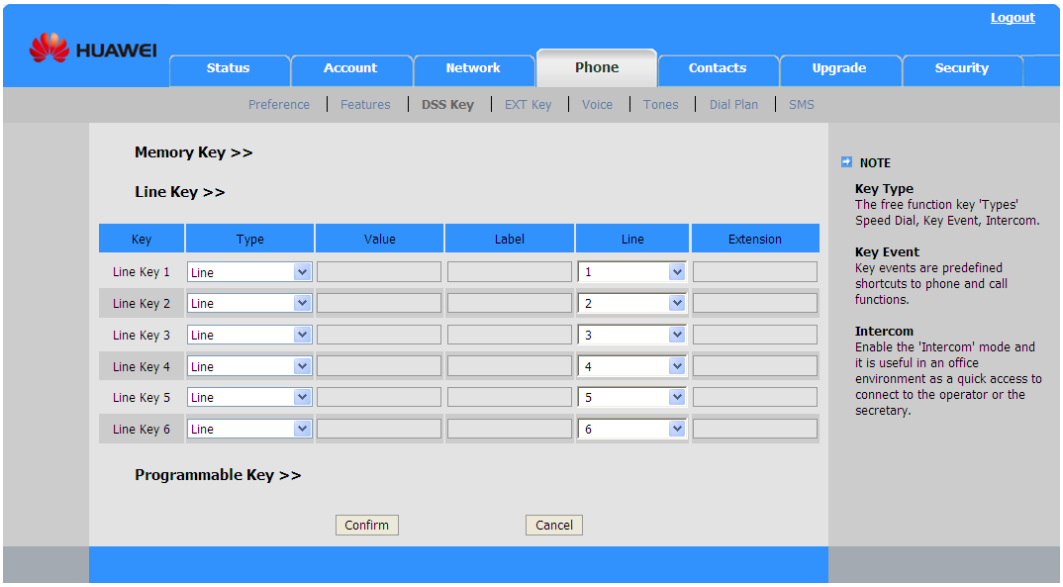
Web Page	Phone Screen	Description	Setting		
			Value	Line	Extension
		mode, after you press this key, the headset and speaker play voices, but the peer party can hear the voices only from the headset.			
Public Hold	Public Hold	Is used for SCA group members to pause or resume a conversation.	This parameter is dimmed.	This parameter is dimmed.	This parameter is dimmed.
Private Hold	Private Hold	Is used for SCA group members to pause or resume a conversation. Only the member who pauses the conversation can resume it.	This parameter is dimmed.	This parameter is dimmed.	This parameter is dimmed.
Share Line	Shared Line	Shares an account. Members who share the same account can monitor the account use among each other.	Enter the SCA account URL, for example, 2413333601_1@64.215.212.70.	Select an account that registers the SCA function.	This parameter is dimmed.

Line keys

Users can also assign functions, for example, speed dial to a line key. Figure 3-9 shows line key settings.

Copyright © Huawei Technologies Co., Ltd.

Figure 3-9 Line key settings



Compared with memory keys, lines keys do not have the setting **N/A**.

The default value of **Type** for line keys is **Line**, and the default value of **Type** for memory keys is **N/A**.

For details about other parameters, see contents in Table 3-8.

Programmable keys

Programmable keys including soft keys, navigation keys, and function keys are configured to define key functions in the idle state. After assigning the DND function to the first soft key whose original function is call record, you can enable the DND function by pressing the first soft key.Figure 3-10 shows programmable key settings.

Copyright © Huawei Technologies Co., Ltd.

Figure 3-10 Programmable key settings

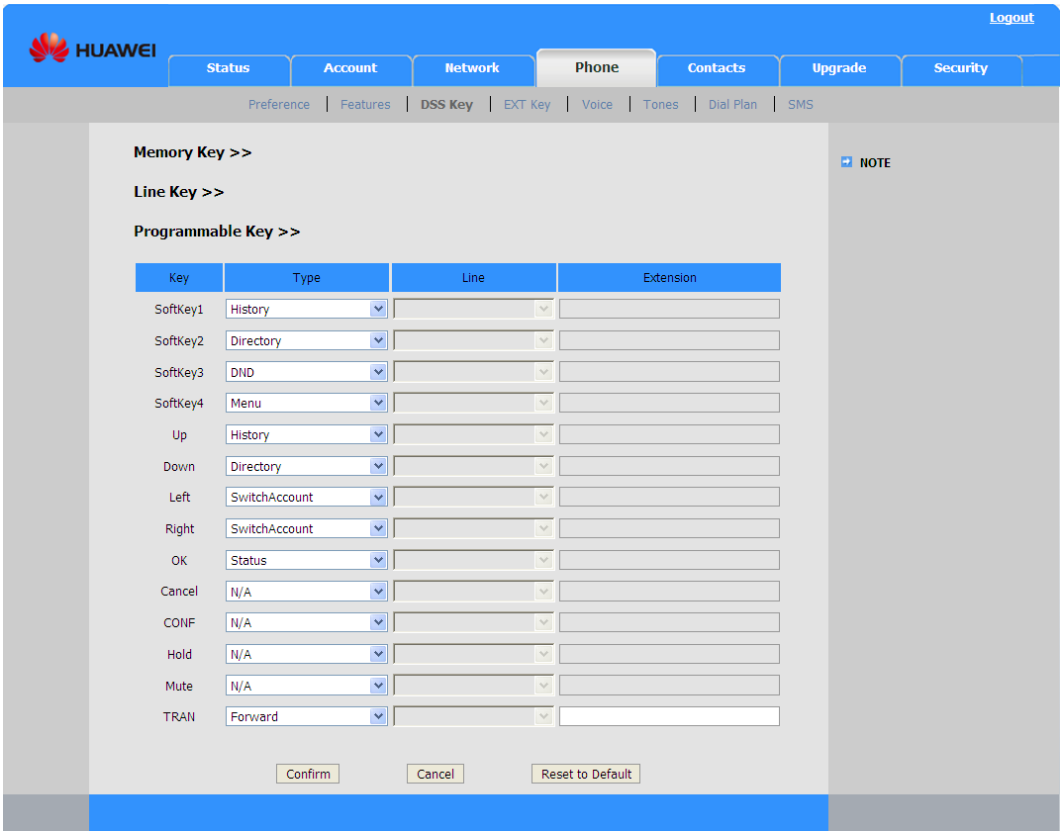


Table 3-9 lists parameters about programmable keys.

Table 3-9 Parameters about programmable keys

Type	Description	Setting	
		Line	Extension
N/A	Assigns no function.	This parameter is dimmed.	This parameter is dimmed.
Directory	Displays address books, including the local address book and remote address book.	This parameter is dimmed.	This parameter is dimmed.
History	Views call records.	The options are **Local History** (local call records on eSpace 7850) and **Network CallLog**.	This parameter is dimmed.
DND	Functions as the DND key.	This parameter is dimmed.	This parameter is dimmed.
Menu	Accesses the **Main Menu** page quickly.	This parameter is dimmed.	This parameter is dimmed.

Copyright © Huawei Technologies Co., Ltd.

Type	Description	Setting	
		Line	Extension
SwitchAccount	Switches accounts that are registered on eSpace 7850.	This parameter is dimmed.	This parameter is dimmed.
Forward	Forwards calls. In the standby state • If the call forwarding unconditional (CFU) number is not configured on the eSpace IP phone, you can press the Programmable key to enter the CFU configuration page. • If the CFU number is configured on the eSpace IP phone, you cannot enter the CFU configuration page by pressing the memory key. The Programmable key is only used to enable or disable the CFU service.	This parameter is dimmed.	This parameter is dimmed.
Redial	Accesses the **Dialed** page in the standby state.	This parameter is dimmed.	This parameter is dimmed.
Call Return	Calls back the last calling party.	This parameter is dimmed.	This parameter is dimmed.
Pick Up	Picks up calls for a preset number.	Select **Line 1** to **6**.	Enter the function code and the pickup number, for example, *83123. In *83123, *83 is the function code indicating call pickup, and **123** is the pickup number.

Copyright © Huawei Technologies Co., Ltd.

Type	Description	Setting	
		Line	Extension
XML Group	Views numbers of a group in the remote address book.	Select a remote address book that you want to view.	This parameter is dimmed.
XML PhoneBook	Views groups in the remote address book.	This parameter is dimmed.	This parameter is dimmed.
Status	Accesses the **Status** page.	This parameter is dimmed.	This parameter is dimmed.
Speed Dial	Function as the speed dial key.	Select **Auto** or **Line 1** to **6**.	Enter the speed dial number.
Local Group	Views numbers of a group in the local address book.	Select **Contacts** or a group if any.	This parameter is dimmed.
Local PhoneBook	Views groups in the local address book.	This parameter is dimmed.	This parameter is dimmed.

EXT Key

To use more keys for eSpace 7850 to provide powerful functions, connect expansion modules to eSpace 7850. A maximum of two expansion modules can be cascaded to an eSpace 7850. The method of configuring expansion keys is similar to that of configuring DSS keys.

After connecting an expansion module to eSpace 7850, you can configure expansion keys on eSpace 7850's Web configuration page, as shown in Figure 3-11.

Copyright © Huawei Technologies Co., Ltd.

Figure 3-11 Configuring expansion keys

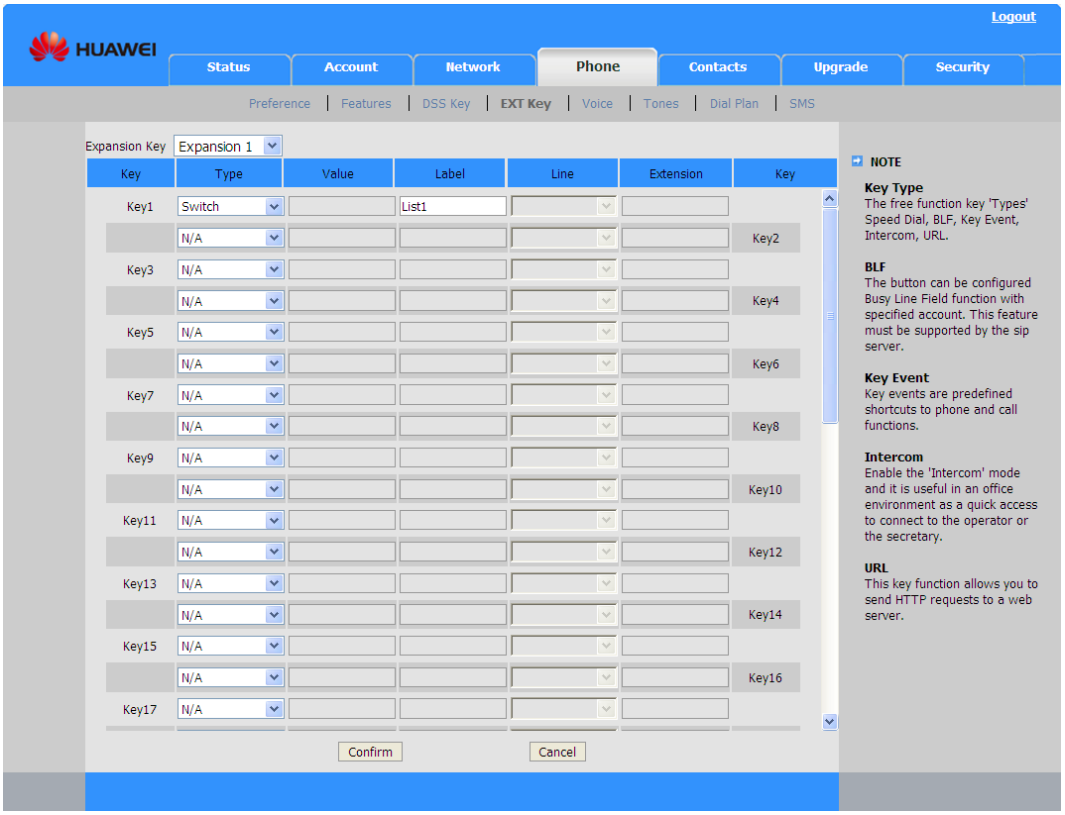

Logout
HUAWEI
Status
Account
Network
Phone
Contacts
Upgrade
Security
Preference | Features | DSS Key | EXT Key | Voice | Tones | Dial Plan | SMS
Expansion Key
Expansion 1
Key
Type
Value
Label
Line
Extension
Key
Confirm
Cancel
NOTE
Key Type
The free function key 'Types' Speed Dial, BLF, Key Event, Intercom, URL.
BLF
The button can be configured Busy Line Field function with specified account. This feature must be supported by the sip server.
Key Event
Key events are predefined shortcuts to phone and call functions.
Intercom
Enable the 'Intercom' mode and it is useful in an office environment as a quick access to connect to the operator or the secretary.
URL
This key function allows you to send HTTP requests to a web server.

Table 3-10 lists parameters about expansion keys

Table 3-10 Parameters about expansion keys

Parameter	Description
Expansion Key	Expansion module to be configured. Expansion modules that are cascaded to eSpace 7850 are numbered 1 and 2.
Type	The **Type** settings for expansion keys except **Key1** and **Key21** are the same as those for memory keys. There are a total of 28 key types. For details, see contents in Table 3-8. For **Key1**, **Type** can be set to **Switch** in addition to the common 28 types so that users can switch two function pages. For **Key21**, **Type** can only be set to **Switch**.
Value/Line/Extension	The **Value**, **Line**, and **Extension** settings for expansion keys are the same as those for memory keys. For details, see contents in Table 3-8.
Label	Contents that are displayed on the extension LCD for you to easily recognize corresponding functions.

Copyright © Huawei Technologies Co., Ltd.

Voice

In the **Voice** area, you can set voice-related parameters, as shown in Figure 3-12.

Figure 3-12 Setting voice-related parameters

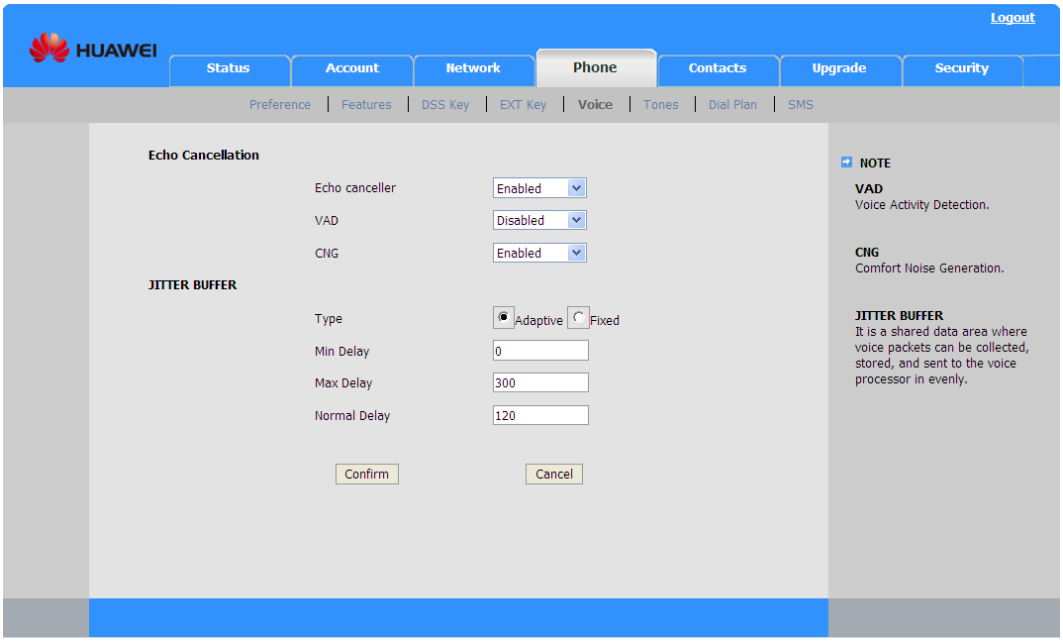


Table 3-11 lists parameters in the **Voice** area on the **Phone** tab page.

Table 3-11 Parameters in the Voice area

Parameter	Description
Echo Cancellation	Configuration about echo cancellation.
Echo canceller	Indicates whether to enable the echo canceler.
VAD	Indicates whether to enable the Voice activity detection (VAD).
CNG	Indicates whether to enable the Comfort Noise Generator (CNG).
JITTER BUFFER	Configuration about the jitter buffer. Voice packages can be collected, stored, and sent to the voice processor.
Type	Type of the jitter buffer.
Min Delay	Minimum delay.
Max Delay	Maximum delay.
Normal Delay	Normal delay.

Copyright © Huawei Technologies Co., Ltd.

Tones

In the **Tones** area, you can select preset tones or define new tones, as shown in Figure 3-13.

Figure 3-13 Setting tones

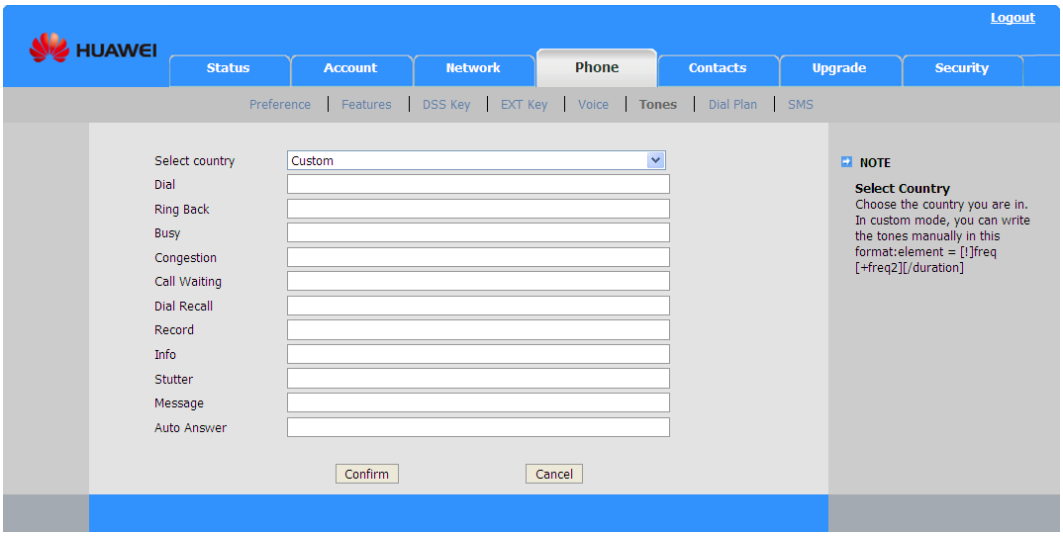


Table 3-12 lists parameters in the **Tones** area.

Table 3-12 Parameters in the Tones area

Parameter	Description
Select country	Country that has custom signal tones.
Dial	Dial tone that is played after you pick up the phone or press the **SPK** key.
Ring Back	RBT that is played when the called phone rings.
Busy	Busy tone that is played when an outbound call failed or the current account cannot make outgoing calls.
Congestion	Prompt tone that is played when the network is congested.
Call Waiting	Prompt tone that is played when a call comes during a conversation.
Dial Recall	Prompt tone that is played after you hold a call for one minute.
Record	Prompt tone that is played when a conversation starts to be recorded.
Info	Announcement, for example, the number is out of service.
Stutter	Prompt tone that is played when a voice message is received.
Auto Answer	Prompt tone that is played when a call is answered automatically.

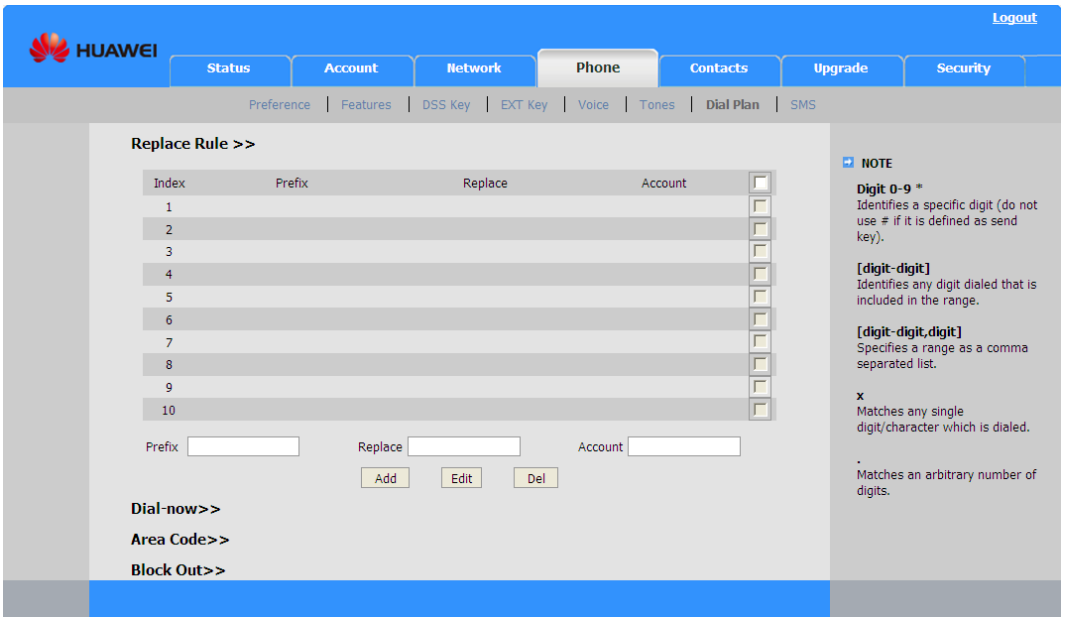
Copyright © Huawei Technologies Co., Ltd.

Dial Plan

eSpace 7850 supports the following rules:

- Replace rule: eSpace 7850 allows you to replace a complex number with a simple number. For example, after you replace 0123 with 12, eSpace 7850 makes a call to 0123 after you enter 12.

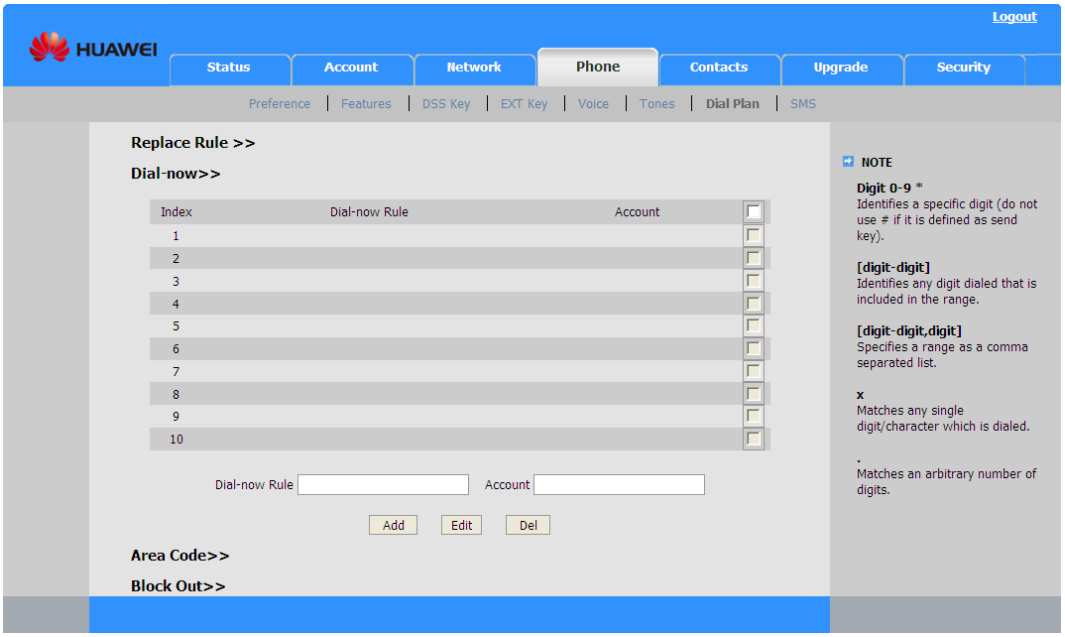
Figure 3-14 Setting the replace rule



- Dial-now rule: After you enable this rule, eSpace 7850 makes a call as soon as you enter the preset number. For example, if you set **Dial-now** Rule to **0147**, eSpace 7850 makes a call to 0147 immediately after you enter 0147.

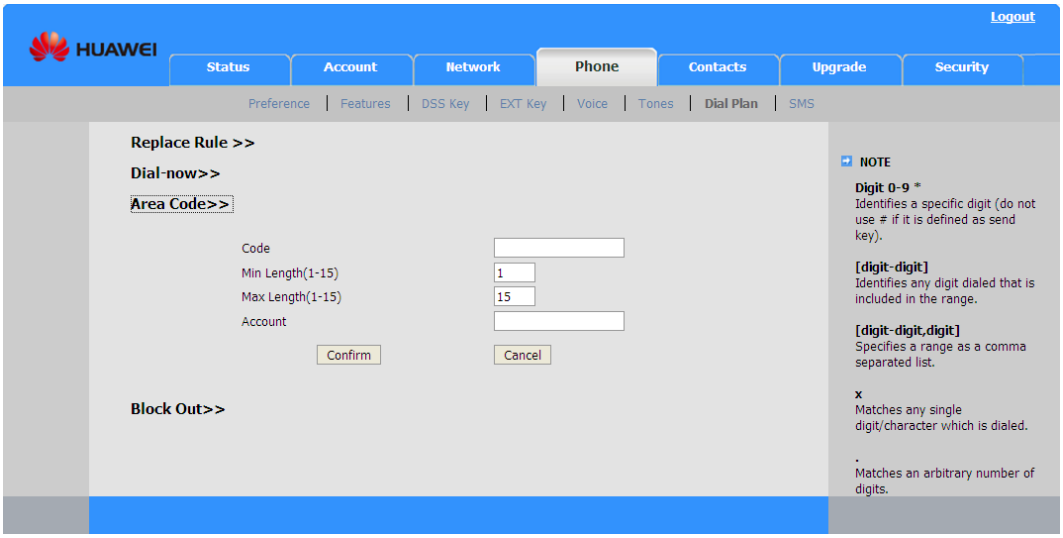
Copyright © Huawei Technologies Co., Ltd.

Figure 3-15 Setting the dial-now rule



- Area code rule: After you enable this rule, eSpace 7850 automatically prefixes the number that you enter with an area code if the number length meets the requirement. Assume that **Code** is set to **010**, **Min Length(1-15)** is set to **2**, and **Max Length(1-15)** is set to **5**. After you enter 1234, eSpace 7850 makes a call to 0101234.

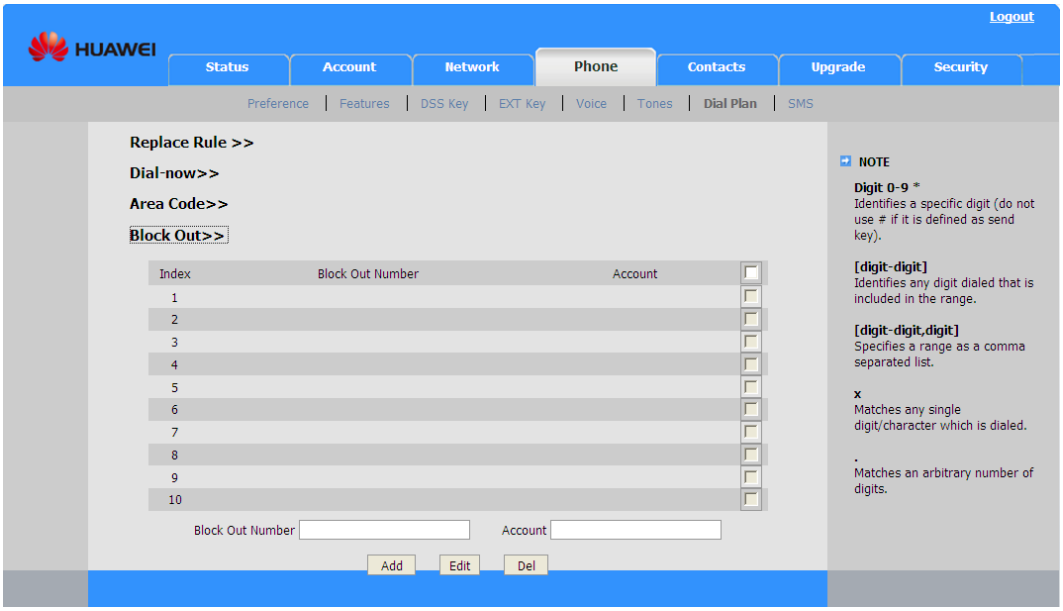
Figure 3-16 Setting the area code rule



- Block out rule: After you enable this rule, eSpace 7850 forbids anyone to make a call to the blocked number. For example, if you set the blocked number to **123456** for the account 1, eSpace 7850 forbids you to use account 1 to make a call to number **123456**.

Copyright © Huawei Technologies Co., Ltd.

Figure 3-17 Setting the block out rule



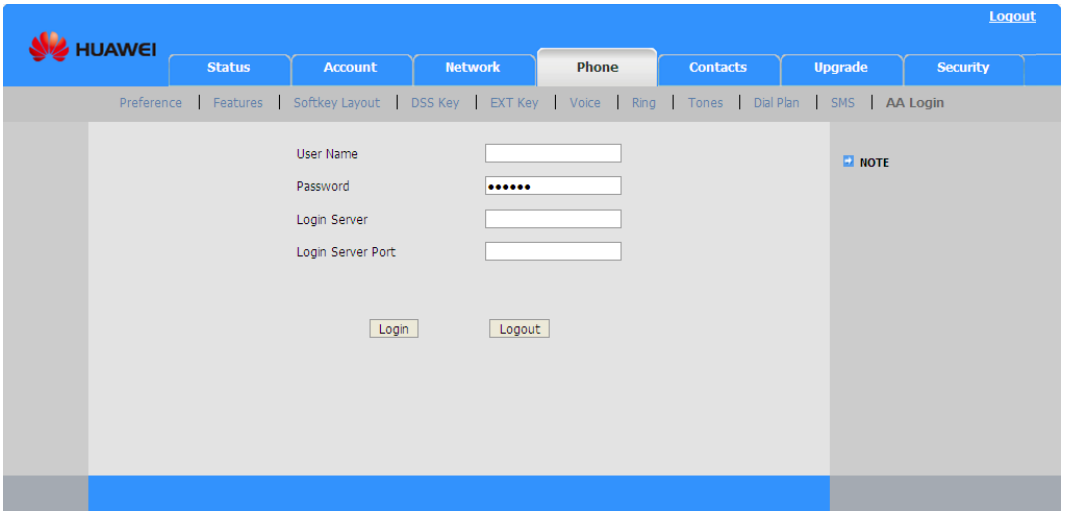
Configuring the AA Login (Only Available for Huawei UC2.0 Solution)

NOTE

The eSpace 7870 does not support the function.

You can obtain the login information, register with the related server, and use related services by the AA login service module, as shown in Figure 3-18.

Figure 3-18 AA login



Copyright © Huawei Technologies Co., Ltd.

Table 3-13 AA login parameter description

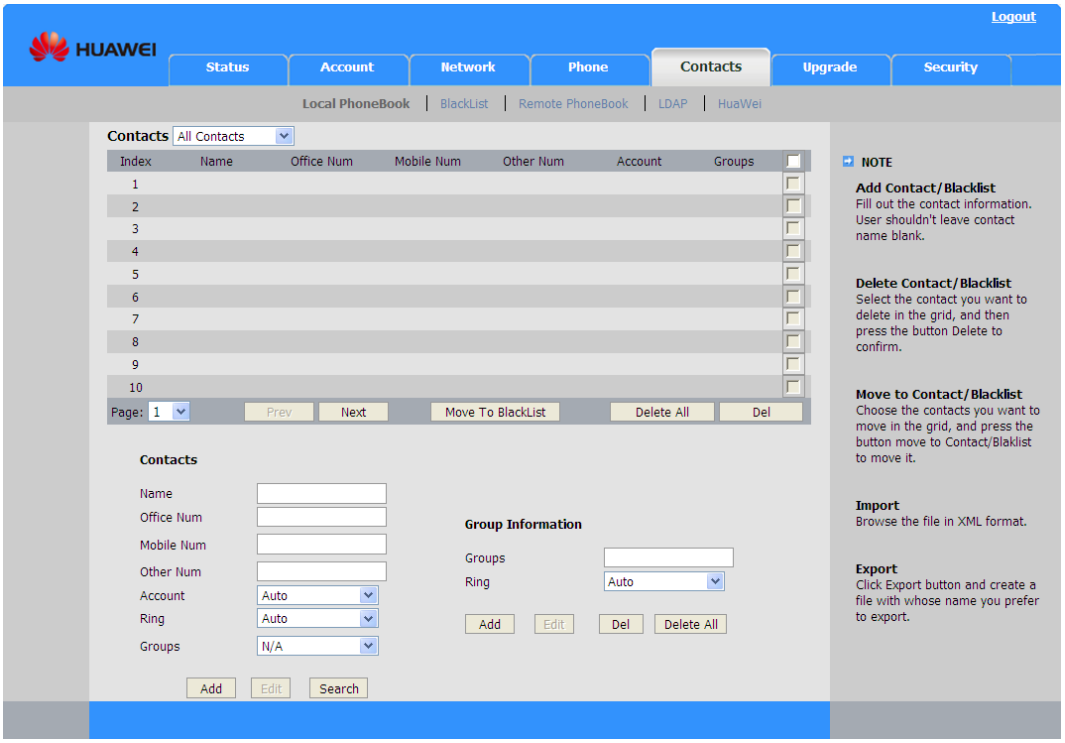
Parameter	Description
User name	Account name that is specified by the VoIP service provider. The value is similar to a phone number or is a phone number.
Password	Password used for an IP phone to register with the SIP server.
Login server	IP address or domain name of the SIP server that is specified by the VoIP service provider.
Login server port	Port number of the SIP server.

3.2.8 Contacts Tab Page

Local PhoneBook

In the **Local PhoneBook** area, you can add, modify, and delete contacts or contact groups, or move contacts to the blacklist.

Figure 3-19 Local Phonebook area

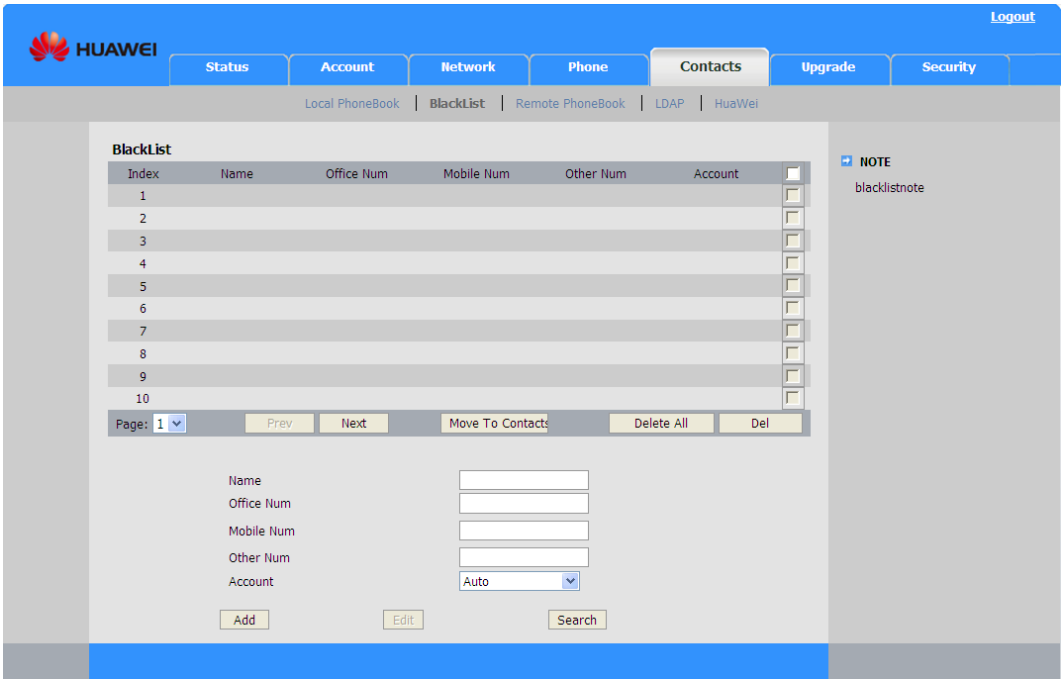

Logout
HUAWEI
Status
Account
Network
Phone
Contacts
Upgrade
Security
Local PhoneBook | BlackList | Remote PhoneBook | LDAP | HuaWei
Contacts All Contacts
Index Name Office Num Mobile Num Other Num Account Groups
Page: 1 Prev Next Move To BlackList Delete All Del
Contacts
Name
Office Num
Mobile Num
Other Num
Account Auto
Ring Auto
Groups N/A
Add Edit Search
Group Information
Groups
Ring Auto
Add Edit Del Delete All
NOTE
Add Contact/Blacklist
Fill out the contact information. User shouldn't leave contact name blank.
Delete Contact/Blacklist
Select the contact you want to delete in the grid, and then press the button Delete to confirm.
Move to Contact/Blacklist
Choose the contacts you want to move in the grid, and press the button move to Contact/Blaklist to move it.
Import
Browse the file in XML format.
Export
Click Export button and create a file with whose name you prefer to export.

BlackList

In the **BlackList** area, you can query, add, modify, and delete contacts in the blacklist, or move contacts from the blacklist.

Copyright © Huawei Technologies Co., Ltd.

Figure 3-20 BlackList area

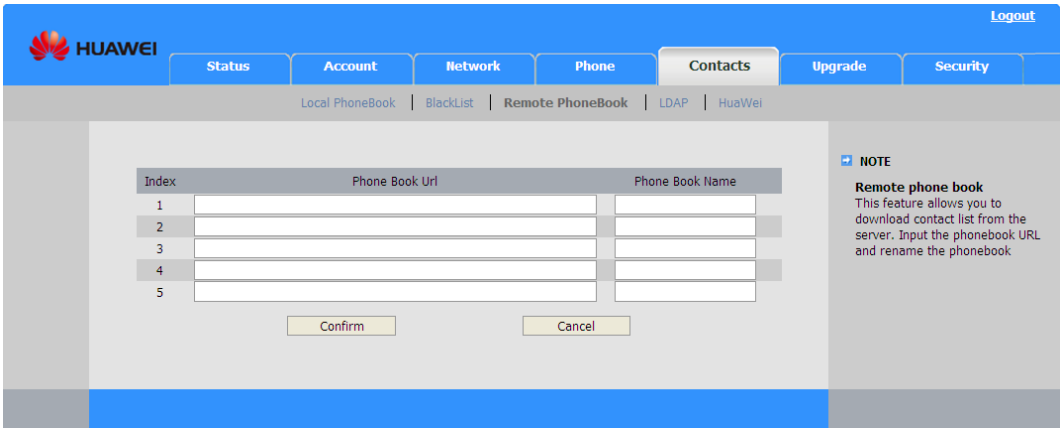


Remote PhoneBook

Each eSpace 7850 is configured with a local address book. A public address book is required for all phones in an enterprise. After a remote address book is enabled, users can access the remote address book.

Set the URL and name for each remote address book, as shown in Figure 3-21.

Figure 3-21 Setting remote address books



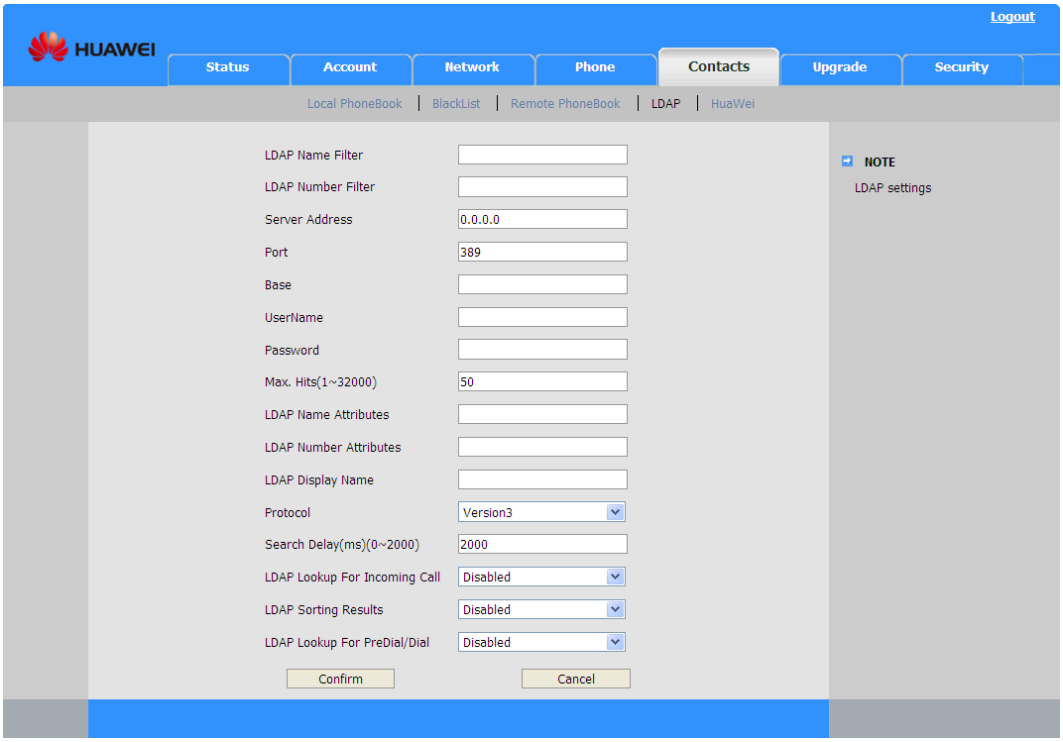
Copyright © Huawei Technologies Co., Ltd.

LDAP

Based on X.500, the Lightweight Directory Access Protocol (LDAP) address book supports TCP/IP. The LDAP address book allows users to quickly obtain static data including contacts and resources.

Figure 3-22 shows the page for setting the LDAP address book.

Figure 3-22 Setting the LDAP address book



NOTE

For details about how to configure the LDAP, see the *Huawei IP Phone eSpace 7810&7820&7830&7850&7870&7803X Administrator Guide*or directly contact the administrator.

The following parameters are used for configuring related services, as shown in Table 3-14.

Table 3-14 Mandatory parameters for setting the LDAP address book

Field	Description
LDAP Lookup For Incoming Call	If this parameter is set to **Enabled**, eSpace 7850 checks whether the calling number exists in the LDAP address book. If the number exists, the caller name is displayed. If this parameter is set to **Disabled**, eSpace 7850 does not check the calling number in the LDAP address book. **NOTE** When a call comes, eSpace 7850 searches for the caller name in the local address boo006B before the LDAP address book. If the calling number is found in the local address book, the caller name in the local address book will be displayed on eSpace 7850.

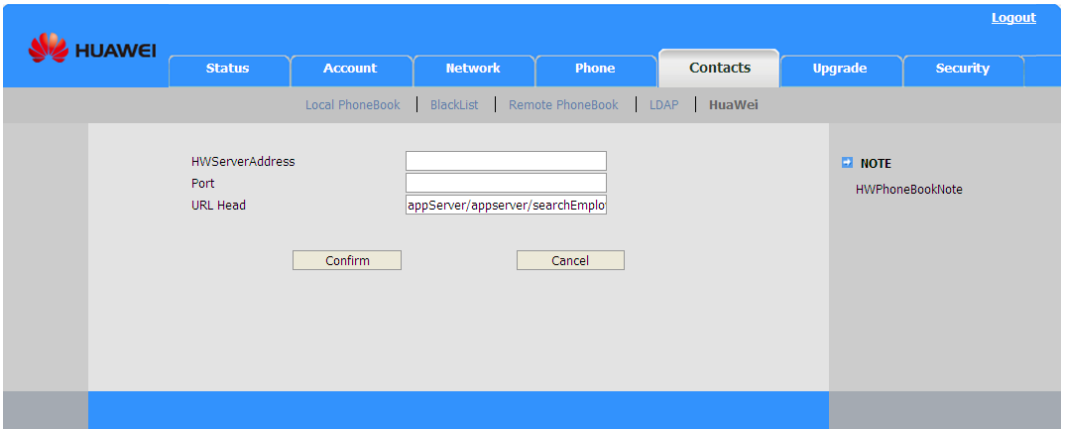
Copyright © Huawei Technologies Co., Ltd.

Field	Description
LDAP Sorting Results	If this parameter is set to **Enabled**, the contact names that are found based on the phone number are sorted by alphabet. If this parameter is set to **Disabled**, the found contact names are not sorted.
LDAP Lookup For PreDial/Dial	Whether eSpace 7850 automatically searches the LDAP address book when a user enters a character on the dial page. If this parameter is set to **Enabled**, the input method changes to **2aB** by default, and the dial search function is enabled. If this parameter is set to **Disabled**, the input method changes back to **123**, and the dial search function is disabled.

Setting the Display of Names, and Departments

When you call another user, your IP phone searches for the information about the user in the Contacts and HWServerAddress list and displays the name and department of the user on the screen for you. You can specify the enterprise address book path and port on the web page, as shown in Figure 3-23.

Figure 3-23 Setting the display of names, and departments



After you complete the settings, the name and department of the peer user will be displayed on your IP phone when you make or receive a call.

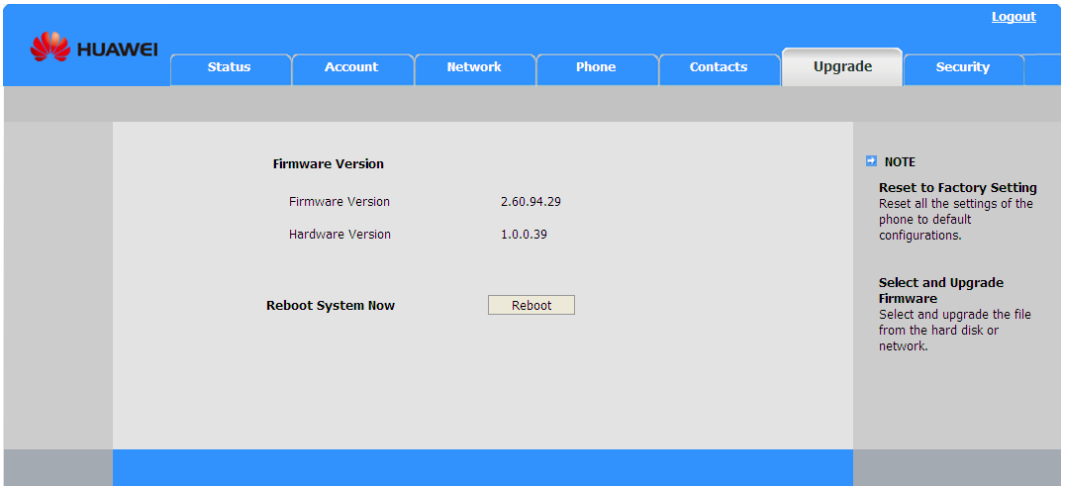
3.2.9 Upgrade Tab Page

On the **Upgrade** tab page, you can restart eSpace 7850.

To restart eSpace 7850, click **Reboot** and click **OK** in the confirm dialog box that is displayed.

Copyright © Huawei Technologies Co., Ltd.

Figure 3-24 Upgrade page

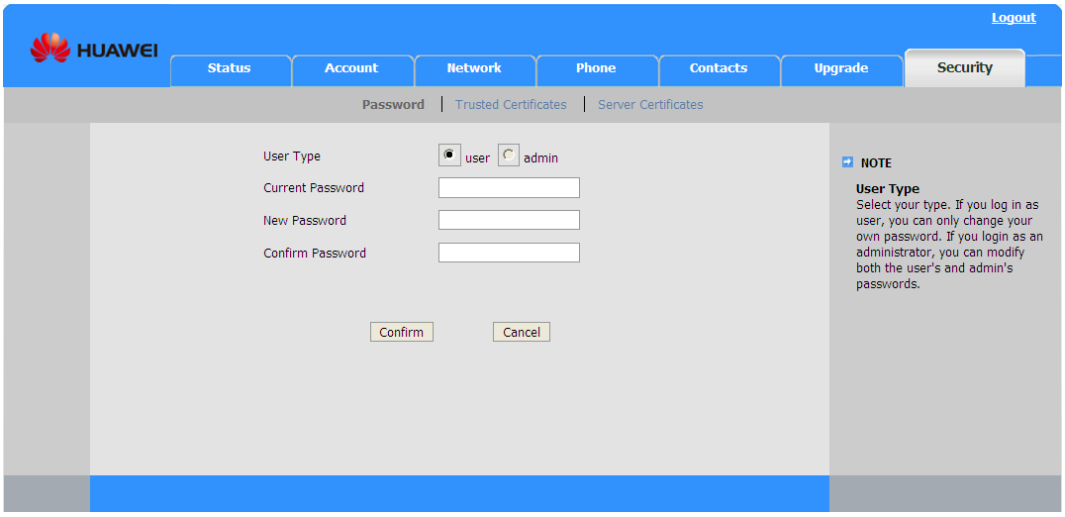


3.2.10 Security Tab Page

Password

You can change a password in the **Password** area. To change a password, enter the old password once and the new password twice.

Figure 3-25 Changing a password



Trusted Certificates

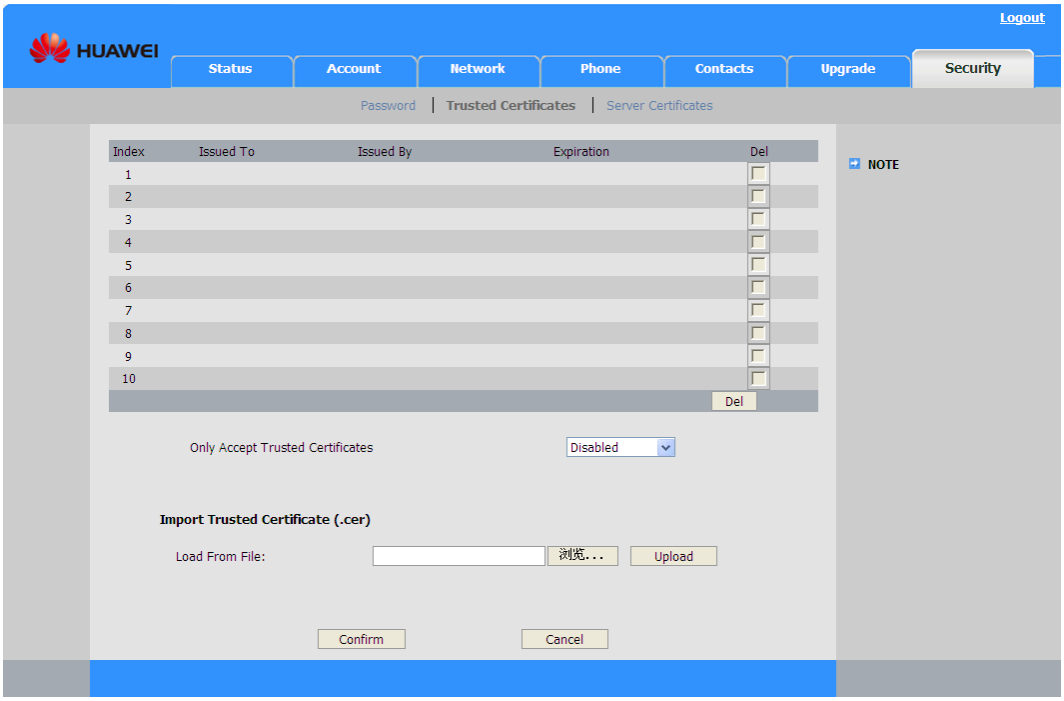
eSpace 7850 uses certificates to check whether the server is reliable. When eSpace 7850 initiates an SSL connection, eSpace 7850 functions as the client to check the server reliability.

To upload a trusted certificate, proceed as follows:

Copyright © Huawei Technologies Co., Ltd.

1. Click **Browse** in the **Trusted Certificates** area and select a trusted certificate in the dialog box that is displayed.
2. Click **Upload**.
3. Select an option from **Only Accept Trusted Certificates**.
   - If you select **Enabled**, the imported root certificate is used to verify the signature in the certificate on the server. If the verification fails, the communication between eSpace 7850 and the server stops.
   - If you select **Disabled**, eSpace 7850 communicates with the server regardless of whether the server has a trusted certificate or whether the trusted certificate is correct.

Figure 3-26 Importing a trusted certificate



Server Certificates

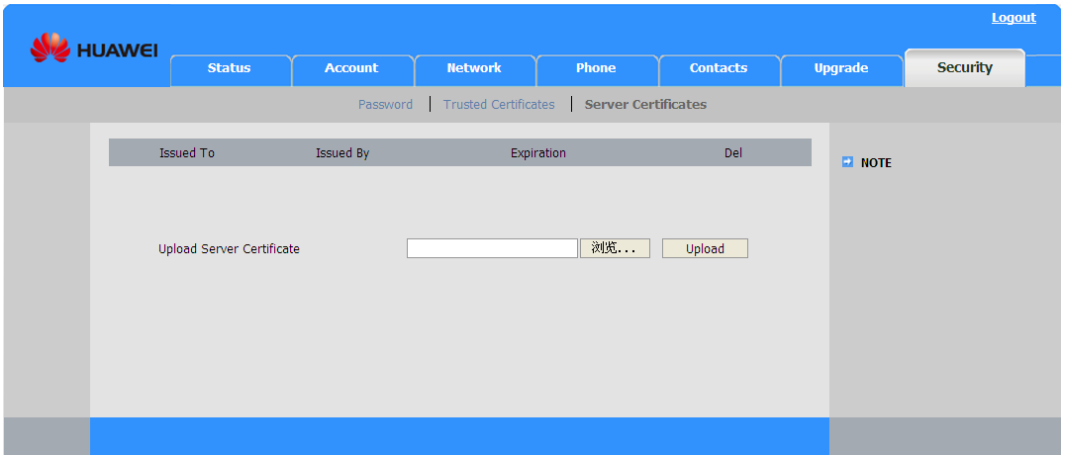
When you access the Web page for eSpace 7850 using HTTPS, eSpace 7850 functions as the server to send a trusted certificate to the browser.

To upload a server certificate, proceed as follows:

1. Click **Browse** in the **Server Certificates** area and select a server certificate in the dialog box that is displayed.
2. Click **Upload**.

Copyright © Huawei Technologies Co., Ltd.

Figure 3-27 Uploading a server certificate



3.2.11 Saving Settings

Click the **Submit** button on the lower-part of a page after setting is complete.

Copyright © Huawei Technologies Co., Ltd.

4 Using eSpace 7850

4.1 Overview

4.1.1 Call Type

eSpace 7850 supports only audio calls.

4.1.2 Answer Mode

eSpace 7850 supports the following answer modes: handset, hand-free, and headset.

These answer modes are switched as follows:

- The **SPK** key is used to switch the handset mode and hand-free mode.
- The **Headset** key is used to switch the handset mode and headset mode.
- Both the **SPK** key and the **Headset** key are used to switch the hand-free mode and headset mode.

4.1.3 Group Listening

You can assign the group listening function to a DSS key. For details, see DSS Key.

- During a conversation in the handset mode, after you press the group listening key, the handset and speaker play voices, but the peer party can hear the voices only from the handset.
- During a conversation in the headset mode, after you press the group listening key, the headset and speaker play voices, but the peer party can hear the voices only from the headset.

4.1.4 Multiple Accounts

eSpace 7850 supports six independent SIP accounts. If multiple accounts are enabled, corresponding account names are displayed on the standby screen.

You can press left and right keys to select an account. After an account is selected, the dial page of the corresponding account will be displayed on the screen.

You can assign the line function to a DSS key. If the line key is assigned, you can directly press the line key to enter the dial screen.

Copyright © Huawei Technologies Co., Ltd.

4.2 Making a Call

4.2.1 Dialing

To use the headset, handset, or hand-free mode to make a call, proceed as follows:

1. Pick up the phone, press the **SPK** key, or connect the headset.

   The phone enters the dial screen and plays the dial tone. The line indicator of the current account is on. To select another account, press the corresponding key.
2. Enter the called number and press the **Send** key.

NOTE

If you often dial numbers that have the same prefix, assign the prefix function to a DSS key. For details, see **DSS Key**.

To set up a new line during a call, proceed as follows:

1. Press the **Hold** key to hold the ongoing call.
2. Press the current or registered account key.
3. Enter the number to connect, and press the soft key **Send**.

NOTE

To switch between the two calls, press the soft key **Switch**.

4.2.2 Redialing

If you redial a number, eSpace 7850 uses the account that is used to dial the same number the previous time.

1. Pick up the phone, press the **SPK** key, connect the headset, or press the line key.

   The line indicator is on.
2. Press the **RD** key to redial the latest dialed number.

   You can assign the redial function to a DSS key. For details, see DSS Key.

4.2.3 Calling Back

After you press the DSS key that the call return function is assigned to, eSpace 7850 calls the latest calling party. For details, see DSS Key.

4.2.4 Using the Call Record List to Make a Call

eSpace 7850 provides a key for users to obtain the call record list. To use the call record list to make a call, proceed as follows:

1. 1. Access the dial page.
2. Press soft key **Pool**.

   The call record list is displayed.
3. Select a group and press the **OK** key.
4. Select a record and press the soft key **Send** or **Dial** to make a call.

4.2.5 Using Address Books to Make a Call

To use address books to make a call, proceed as follows:

Copyright © Huawei Technologies Co., Ltd.

1. Press the **Menu** key.

   The main menu page is displayed.
2. Select **[Directory]**, and press the **OK** key.
3. Select an address book type and press the **OK** key.
4. Select a group and press the **OK** key.

NOTE

To call a contact in the blacklist, skip 4.

5. Select a contact and press soft key **Dial**.

4.2.6 Using Speed Dial to Make a Call

You can assign the speed dial function to a DSS key. After the key is configured with a frequently used number or a complex number, you can directly press this key to make a call.

For details, see DSS Key.

4.3 Answering a Call

4.3.1 Answering a Single Call

In the standby state, eSpace 7850 receives an incoming call and starts ringing. To answer the call, pick up the phone, press the **SPK** key, press the **OK** key or press the **Headset** key.

4.3.2 Displaying Name and Department of the Calling User

When a call is coming, an IP phone can display the name and department of the calling user of the information about the calling user has been configured on the IP phone.

4.3.3 Answering Multiple Calls

If you enable the call waiting function for eSpace 7810, it can be used to answer multiple calls.

1. In the standby state, eSpace 7850 receives an incoming call and starts ringing.
2. You pick up the phone, press the **SPK** key, press the **OK** key or press the **Headset** key.
3. eSpace 7850 receives another incoming call and plays a prompt tone, and the message `New Incoming Call: xxx` is displayed on the screen.
4. You press the soft key **Answer** to answer the new call.

NOTE

After you answer the new call, the first call is held. You can press the up and down keys to switch calls. If you switch to the first call, the second call is automatically held.

4.4 DND Function

In the standby state, press the soft key **DND** to enable the DND function. After the DND function is enabled, the icon DND is displayed on the screen, and all incoming calls will be rejected. You can view these calls in the call record list.

Copyright © Huawei Technologies Co., Ltd.

To disable the DND function, press the soft key **DND** again.

4.5 Call Hold

- Call hold: Press the soft key **Hold** to hold the ongoing call.
- Call unhold: Press the soft key **Resume** to unhold the call that is held.
- Multi-line conversation: If multiple calls are held, you can press the up and down keys to select a call and press the soft key **Resume** to unhold the call.

4.6 Call Mute

To enable or disable the call mute function, press the **Mute** key. If the call mute function is enabled, the icon is displayed on the screen, and the peer party cannot hear your voice.

4.7 Call Transfer

You can transfer a call to other extension numbers or mobile numbers. eSpace 7850 supports the following call transfer modes: blind transfer, semi-attend transfer, and attend transfer.

1. In the conversation with user B, user A presses the **Transfer** key to hold user B's call.
2. User A dials user C's number.
3. User A performs call transfer.
   - Blind transfer

     Press the **Transfer** key.

     After user C picks up the phone, user A hangs up the phone to complete the transfer. If user C rejects the call, a message indicating transfer failure is displayed on the user A's phone screen. User A presses any key and enters the held state. After pressing the **Resume** key, user A resumes the call with user B.
   - Semi-attend transfer

     Press the **OK** key.

     When user C's phone rings, user A presses the **Transfer** key. user A's phone hangs up automatically, and the transfer is complete. Then user C picks up the phone.
   - Attend transfer

     Press the **OK** key.

     After user C picks up the phone, user A asks user C whether user C wants to answer user B's call. If user C says yes, user A presses the **Transfer** key to transfer the call to user C. If user C rejects the call, user A presses the **Resume** key to resume the call with user B.
4. User B talks with user C.

You can assign the call transfer function to a DSS key. For details, see DSS Key.

Copyright © Huawei Technologies Co., Ltd.

4.8 Three-Party Conference

To establish a three-party conference, use the conference key. In addition to the **Conference** key, you can assign the conference function to a DSS key. For details, see **DSS Key**.

1. User A is talking with user B. User A presses the **Conference** key. User B is held, and user A hears the dial tone.
2. User A dials user C's number and presses the soft key **Send**.
3. When user C picks up the phone, user A only talks with user C. To establish a three-party conversation, user A presses the **Conference** key again.
4. When user A hangs up the phone, the other two parties' conversation ends automatically.

NOTE

If **Transfer on Conference Hang up** is set to **Enabled**, the other two parties' conversation continues when user A hangs up the phone. The default value of **Transfer on Conference Hang up** is **Disabled** for eSpace 7850. For details, see contents in Table 3-6.

4.9 BLF Function

After the BLF function is enabled for eSpace 7850, you can press the corresponding DSS key to check the status of the monitored phone. You can press this key to directly make a call to the specified number.

Only administrators can configure accounts for eSpace 7850 when assigning the BLF function. For details about how to assign the BLF function to a DSS key, see DSS Key.

For details about account status, see contents in Table 2.3.2 Indicators.

4.10 SCA Function

After a line of the manager's phone is bound to a line of the secretary's phone, all calls to the manager will be connected to the secretary's phone at the same time. The secretary determines whether to transfer the call to the manager.

NOTE

For details on how to configure the manager and secretary service to contact the administrator.

Assume that manager A's phone has two lines. LINE 1 is bound to LINE 1 of secretary B's phone, and LINE 2 is a private line. The following describes the manager and secretary function's process.

1. Customer C calls manager A.

   The phone of secretary B rings. The LINE 1 indicator on both manager A's phone and secretary B's phone blinks.
2. Secretary B presses the LINE1 key and answers the call.
3. Secretary B presses the LINE2 key and enters the number of the manager A's private line to call manager A.

   The call between secretary B and customer C is held.
4. Manager A presses the LINE2 key and answers the call from secretary B.
5. Manager A presses the LINE1 key and talks with customer C.

Copyright © Huawei Technologies Co., Ltd.

The call between manager A and secretary B is held. If secretary B hangs up, the call ends.

6. Manager A or customer C hangs up.

   The call ends, and the LINE 1 indicator is off.

NOTE

- eSpace 7850 allows one manager's phone to be bound to a maximum of two secretaries' phones.
- If two secretaries serve a manager, only one secretary answers the call and transfers it to the manager.

4.11 Pickup Function

The call pickup function enables you to answer an incoming call that is ringing on an extension other than your own. You can assign the call pickup or group pickup function to a DSS key.

Group pickup allows you to pick up incoming calls on extensions (for example, 800 to 890) within your own group. If an incoming call comes to an extension, you can press the specified DSS key to answer the call. If multiple incoming calls come to extensions in your group, you can press this key to answer calls in sequence.

You can assign the call pickup function or group pickup function to a DSS key. For details, see DSS Key.

4.12 Call Park

This function allows you to hold a call on an eSpace 7850 and unhold the call on another eSpace 7850. If you do not unhold the call within the specified duration, the call is released and the called party hears the busy tone.

1. Assign the call park function for a DSS key on eSpace 7850 A.

   For details, see DSS Key..

2. Press this DSS key on eSpace 7850 A during a call between eSpace 7850 A and eSpace 7850 B, and hang up to hold the call.
3. Press *95*TN# (TN is the number of eSpace 7850 A) on eSpace 7850 C to unhold the call. A call is set up between eSpace 7850 C and eSpace 7850 B.

4.13 Xml Browser

The XML browser is based on XML and HTTP/HTTPS. After using HTTP or HTTPS to download XML files to eSpace 7850, eSpace 7850 can function as a simple browser.

You can assign the XML browser function to a DSS key. After you press the key, eSpace 7850 downloads XML files based on the specified URL and displays them on the screen. For details, see DSS Key..

NOTE

For details about URLs, contact your system administrator.

Copyright © Huawei Technologies Co., Ltd.

4.14 Address Book

Address books on eSpace 7850 stores contact information. You can add, edit, delete, call, or search for contacts.

Address books are classified into: local address book, blacklist, and remote address book.

4.14.1 Local Address Book

To access the local address book, proceed as follows:

1. Press the **Menu** key.
   The main menu page is displayed.
2. Select **[Directory]** and press the **OK** key.
3. Select **[Local Directory]** and press the **OK** key.

Adding a Contact Group

To add a contact group, proceed as follows:

1. Access the local address book page.
2. Press the soft key **Group** to display the page for adding a contact group.
3. Enter a group name and select a ring tone.
4. Press the soft key **Save** to save the settings.

Searching for a Contact

To search for a contact, proceed as follows:

1. Access the local address book page.
2. Select a group and press the **Search** key or press the **Enter** key.
   The search page is displayed.
3. Set the search criteria and press the soft key **OK**.

The search result is displayed.

Adding a Contact

To add a contact, proceed as follows:

1. Access the local address book page.
2. Select a group and press the **OK** key.
3. Press the soft key **Add**.
   The page for adding a contact is displayed.
4. Configure basic contact information such as name, office number, and mobile number, and select an appropriate account and ring tone.
5. Press the soft key **Save**.

The contact information is added to the local address book.

Copyright © Huawei Technologies Co., Ltd.

Editing a Contact

To edit a contact, proceed as follows:

1. Access the local address book page.
2. Select a group and press the **OK** key.
3. Select a contact that you want to edit.
4. Press the soft key **Option**.
5. Select **[Detail]** and press the **OK** key.

   The page for editing a contact is displayed.
6. Edit the contact.
7. Press the soft key **Save**.

The contact information is updated in the local address book.

Deleting a Contact

To delete a contact, proceed as follows:

1. Access the local address book page.
2. Select a group and press the **OK** key.
3. Select the contact that you want to delete.
4. Press the soft key **Option**.
5. Select **[Delete]** and press the **OK** key.

   A confirm message is displayed.
6. Press the soft key **OK** to delete the contact.

   If you want to cancel the deleting, press the soft key **Cancel** to return back to the contact list

Moving a Contact to the Blacklist

To move a contact to the blacklist, proceed as follows:

1. Access the local address book page.
2. Select a group and press the **OK** key.
3. Select a contact that you want to move to the blacklist.
4. Press the soft key **Option**.
5. Select **[Move to Blacklist]** and press the soft key **OK**.

   If you want to cancel the moving, press the soft key **Cancel** to return back to the contact list page.

Moving a Contact from the Call Record List to the Address Book

To move a contact from the call record list to the address book, proceed as follows:

1. Press the **Menu** key.

   The main menu page is displayed.
2. Select **[History]** and press the **OK** key.
3. Use the left and right keys to select a call record type.

Copyright © Huawei Technologies Co., Ltd.

4. Use the up and down keys to select a contact that you want to move.
5. Press the soft key **Option**.
6. Select **[Add to Contacts]**, and press the soft key **OK** to display the page for editing the record.
7. Edit the contact information, and press the soft key **Save**.

NOTE

You can assign a local contact group to a DSS key. After the key is configured, you can press this key to directly access the contact group page. For details, see DSS Key.

4.14.2 Blacklist

Calls from contacts in the blacklist cannot be received.

To access the blacklist page, proceed as follows:

1. Press the **Menu** key.

   The main menu page is displayed.
2. Select **[Directory]** and press the **OK** key.
3. Select **[Blacklist]** and press the **OK** key.

Adding a Contact to the Blacklist

To add a contact to the blacklist, proceed as follows:

1. Access the blacklist page.
2. Press the soft key **Add**.

   The page for adding a contact to the blacklist is displayed.
3. Configure basic contact information such as name, office number, and mobile number and select an appropriate account.
4. Press the soft key **Save**.

The contact is added to the blacklist.

Deleting a Contact from the Blacklist

To delete a contact from the blacklist, proceed as follows:

1. Access the blacklist page.
2. Select the contact that you want to delete.
3. Press the soft key **Option**.
4. Select **[Delete]** and press the **OK** key.

   A confirm message is displayed.
5. Press the soft key **OK** to delete the contact.

Moving a Contact from the Blacklist to the Contact List

To move a contact from the blacklist to the contact list, proceed as follows:

1. Access the blacklist page.
2. Select a contact that you want to remove from the blacklist.
3. Press the soft key **Option**.

Copyright © Huawei Technologies Co., Ltd.

4. Select **[Move to Contact]** and press the soft key **OK**.

   If you want to cancel the removing, press the soft key **Cancel** to return back to the blacklist page.

Moving a Contact from the Call Record List to the Blacklist

To move a contact from the call record list to the blacklist, proceed as follows:

1. Press the **Menu** key.

   The main menu page is displayed.
2. Select **[History]** and press the **OK** key.
3. Use the left and right keys to select a call record type.
4. Use the up and down keys to select a contact that you want to move.
5. Press the soft key **Option**.
6. Select **[Add to Blacklist]**, and press the soft key **OK** to display the page for editing the record.
7. Edit the blacklist information, and press the soft key **Save**.

4.14.3 Remote Address Book

Each eSpace 7850 is configured with a local address book. A public address book is required for all phones in an enterprise.

After a remote address book is enabled, users can access the remote address book.

To access the remote address book page, proceed as follows:

1. Press the **Menu** key.

   The main menu page is displayed.
2. Select **[Directory]** and press the **OK** key.
3. Select **[Remote Phonebook]** and press the **OK** key.
4. Select a group and press the **OK** key.

You can assign a remote contact group to a DSS key. After the key is configured, you can press this key to directly access the contact group page. For details, see DSS Key.

4.14.4 LDAP

The LDAP address book provides the following functions:

- Searches for contacts.

  After pressing the DSS key assigned with the LDAP function and entering a number or letter on the page that is displayed, eSpace 7850 will search the LDAP server for contacts based on certain rules and display search results on the screen. You can select a contact and make a call.
- Searches for caller names.

  After receiving an incoming call, eSpace 7850 searches the local address book for the caller name. If the caller name does not exist in the local address book, eSpace 7850 searches the LDAP server for the caller name and displays it on the phone screen. This function is available only after **LDAP Lookup For Incoming Call** is set to **Enabled**.
- Searches for numbers

Copyright © Huawei Technologies Co., Ltd.

Every time you enter a number or a character on the dial page, eSpace 7850 searches for appropriate contacts. If a contact is found, the contact name is displayed on the phone screen. This function is available only after **LDAP Lookup For PreDial/Dial** is set to **Enabled**.

NOTE

You can assign the LDAP function to a DSS key. For details, see DSS Key.

For details about caller name searching and number searching, see LDAP.

4.15 Messages

eSpace 7850 supports voice messages. The function can be used only after it is enabled on the server.

To access the voice message page, proceed as follows:

1. Press the **Menu** key.

   The main menu page is displayed.
2. Select **[Messages]** and press the **OK** key.
3. Select **[Voice Mail]** and press the **OK** key.

4.15.1 Voice Messages

The voice mailbox is stored on the Media Resource Server (MRS). You can use eSpace 7850 to connect to the server to obtain voice messages.

After receiving a new voice message in the standby state, eSpace 7850 displays a notification on the screen and lights the **Message** key.

If you have configured a voice mailbox access code, press the **Message** key to receive the message. To obtain voice messages, directly press the soft key **Connect** to access the voice mailbox.

Setting the Voice Mailbox Access Code

1. Access the voice message page.
2. Select **[Set Voice Mail]** and press the **OK** key.
3. Select an account and enter the voice mailbox access code.
4. Press the soft key **Save**.

Obtaining Voice Messages

1. Access the voice message page.
2. Select **[New Voice Mail]** and press the **OK** key.

   The total number of voice messages is displayed.
3. Select an account and press the soft key **Connect** to access the voice mailbox.

Copyright © Huawei Technologies Co., Ltd.

4.16 Expansion Modules

eSpace 7850 can be connected to expansion modules to provide more DSS keys. A maximum of two expansion modules can be cascaded to an eSpace 7850. The method of configuring expansion keys is similar to that of configuring DSS keys.

NOTE
For details about expansion keys, see **EXT Key**.

After you assign a function to an expansion key, you can directly press this key to implement the function.

Assume that the speed dial function is assigned to key 2 on account 1 and the speed dial number is set to 123456. After you press key 2, eSpace 7850 directly use account 1 to make a call to 123456.

4.17 Linkage Between an eSpace and an IP Phone

4.17.1 Associating an eSpace with an IP Phone

Prerequisites

- The Enterprise eSpace client has been installed.
- An eSpace hard terminal exists.
- A linked UC account exists.

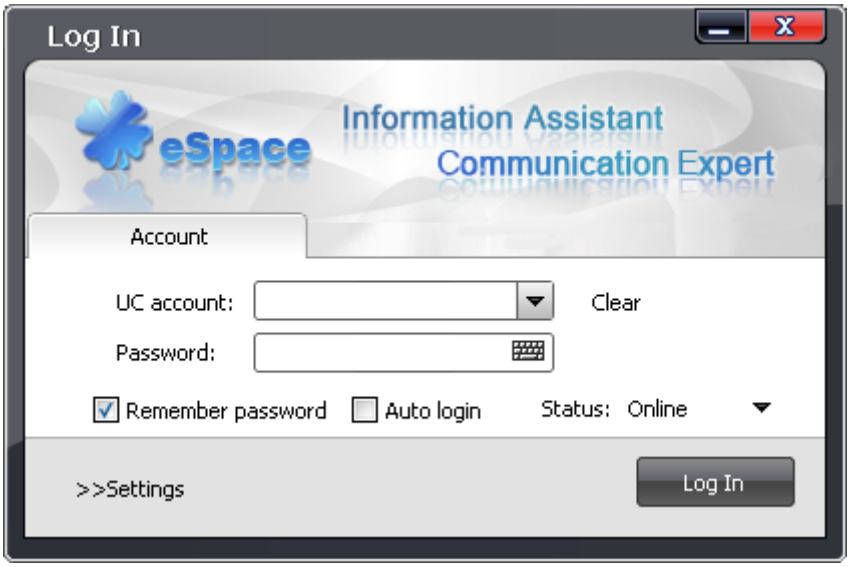
Procedure

1. Double-click

.
The **Log In** dialog box is displayed, as shown in Figure 4-1.

Copyright © Huawei Technologies Co., Ltd.

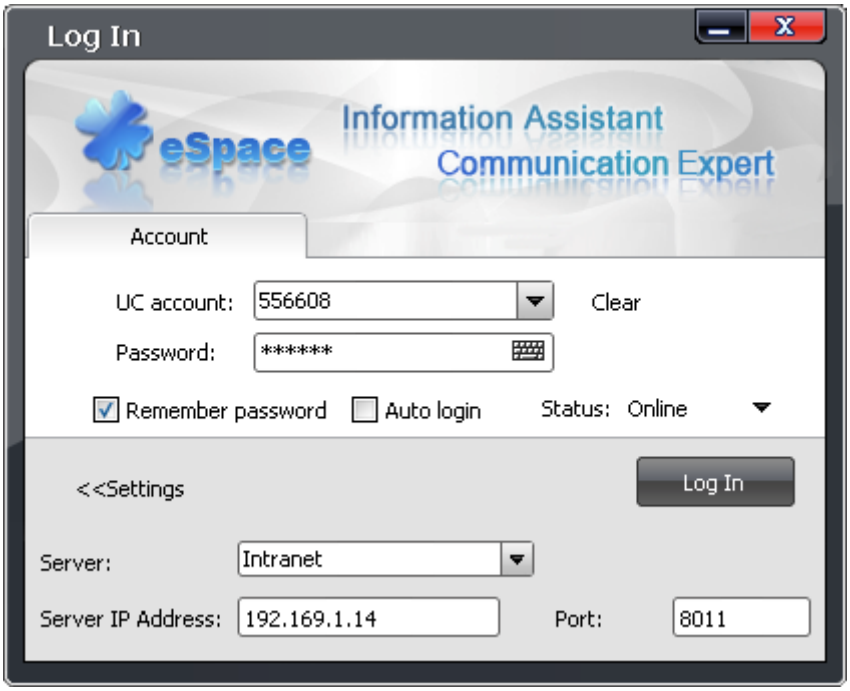
Figure 4-1 Log In dialog box



2. Click **Settings**.
   The page for associating the eSpace with a server is displayed.
3. Set parameters, as shown in Figure 4-2.

NOTE
To obtain the **UC account**, **password**, and **server IP address**, contact the administrator.

Figure 4-2 Associating the eSpace with a server



4. Click **Log In**.

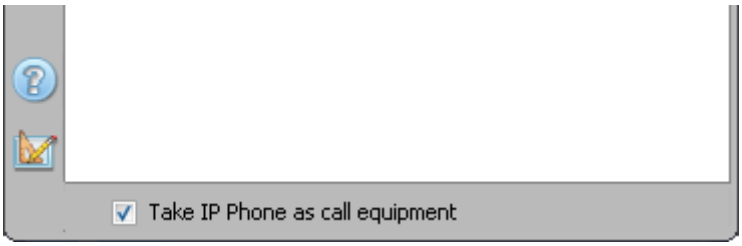
Copyright © Huawei Technologies Co., Ltd.

The **eSpace Desktop** page is displayed.

5. Select **Take IP phone as call equipment**, as shown in Figure 4-3.

   The eSpace is linked with the IP phone.

Figure 4-3 Associating the eSpace with the IP phone



4.17.2 Using the Linkage eSpace

When the eSpace is associated with the IP phone, the IP phone will report the agent status to the eSpace. eSpace can replace the IP phone to answer or reject calls or directly forward calls.

Replacing the IP Phone to Answer or Reject Calls

When a call comes in, the eSpace client and IP phone ring simultaneously, as shown in Figure 4-4.

Figure 4-4 Incoming call

- Click **Answer** to replace the IP phone to answer the call.
- Click **Reject** to replace the IP phone to reject the call.

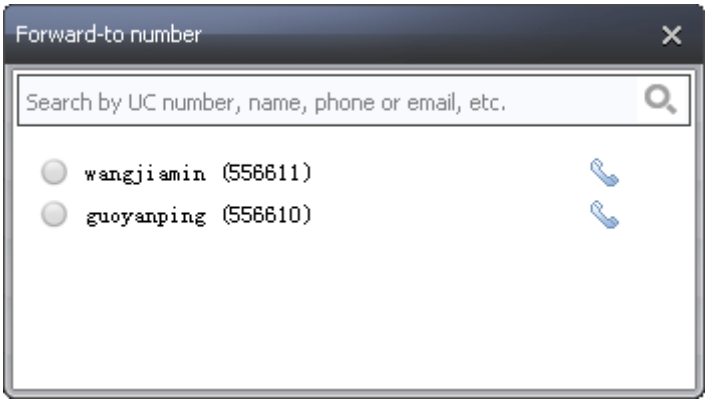
Directly Forwarding the Call

1. As shown in Figure 4-4, click **Forward**.

   The **Forward-to Number** dialog box is displayed, as shown inFigure 4-5.

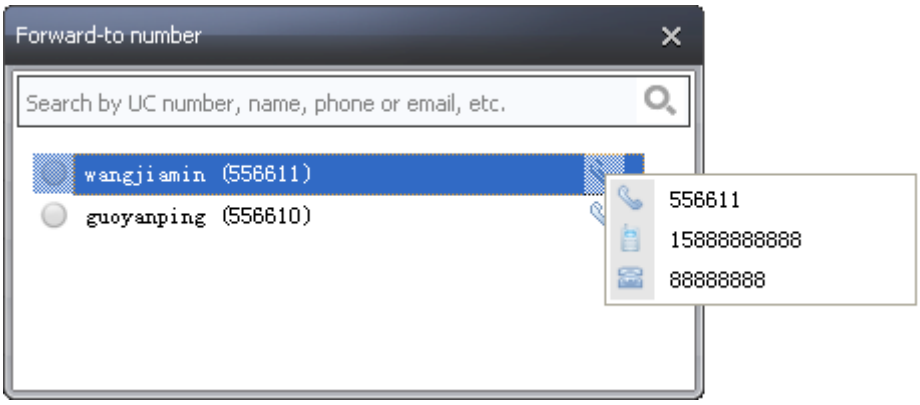
Copyright © Huawei Technologies Co., Ltd.

Figure 4-5 Forward-to Number dialog box



2. Click next to the UC account to forward.
   The contact modes of the UC account are displayed, as shown in Figure 4-6.

Figure 4-6 Contact modes



3. Click a phone number.
   The call is forwarded to the UC account.

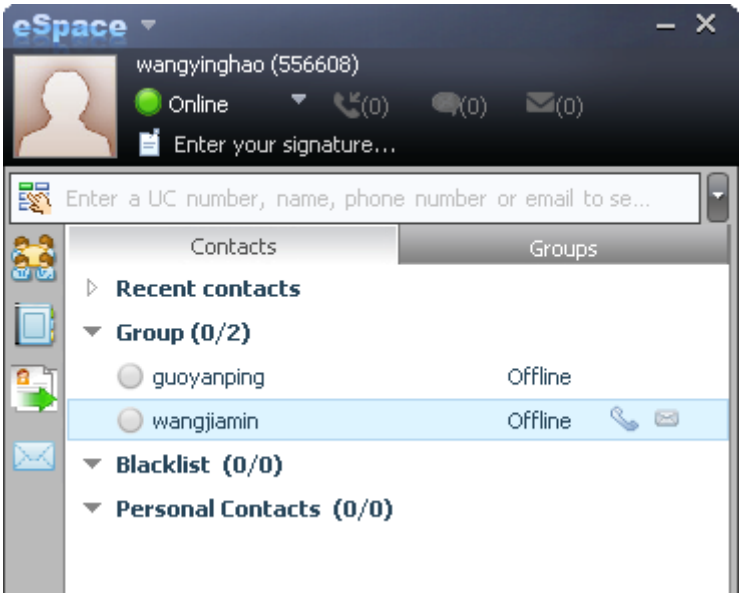
Replacing the IP Phone to Make Calls

Method 1:

1. Click next to the account to call, as shown in Figure 4-7.

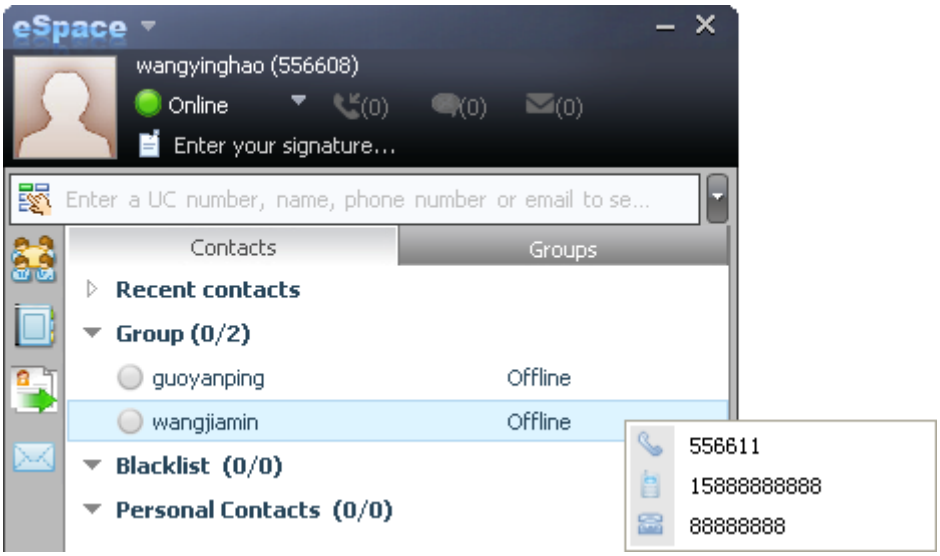
Copyright © Huawei Technologies Co., Ltd.

Figure 4-7 eSpace client



2. 2. Click a contact mode on the displayed menu, as shown in Figure 4-8.

Figure 4-8 Making calls on the eSpace client

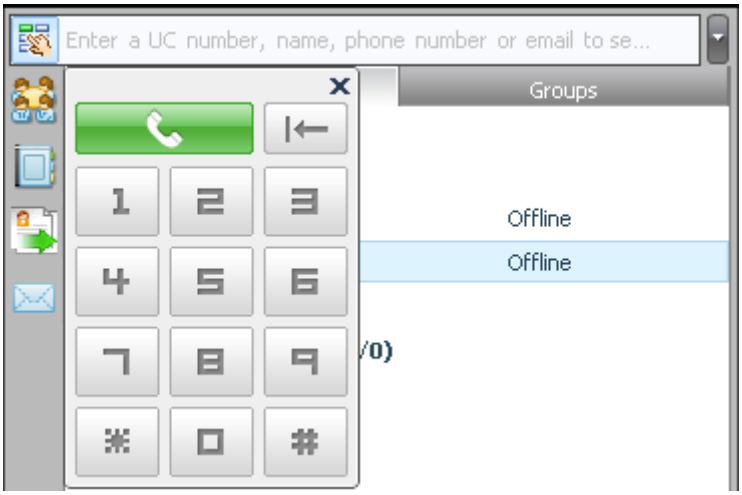


Method 2:

1. Click .
   The **Keypad** page is displayed, as shown in Figure 4-9.

Copyright © Huawei Technologies Co., Ltd.

Figure 4-9 Keypad page

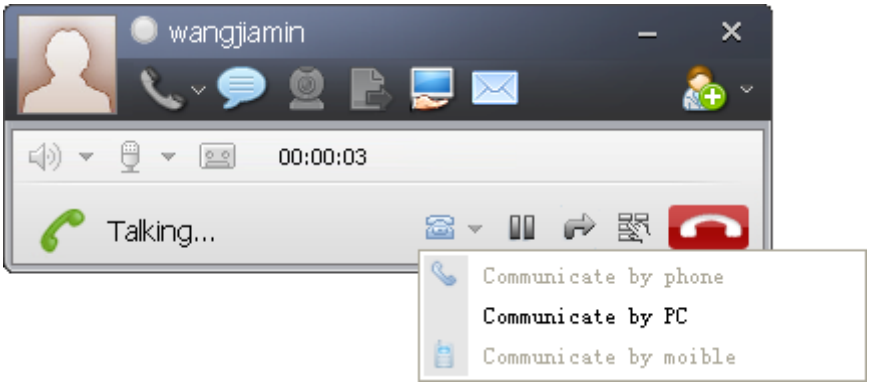


2. Enter a phone number and click .

Switching from IP Phone to eSpace Client During a Call

1. Click during a call.
   The communication modes are displayed, as shown in Figure 4-10.

Figure 4-10 Communication modes



2. Click **Communicate by PC**.

NOTE

To switch from the eSpace client to IP phone, click **Communicate by phone**.

The call is switched from the IP phone to the eSpace client, as shown in Figure 4-11.

Copyright © Huawei Technologies Co., Ltd.

Figure 4-11 Using eSpace to communicate

- To hold a call, click .
- To transfer a call, click .

NOTE

and are available only when a user uses eSpace to talk with the peer end.

4.18 Callback on Busy(For UC 1.1)

When you call a busy user, the system calls your number back when the user you called becomes idle.

Contact your administrator to configure the callback on busy (CBB) service. Then perform the following operations in service usage:

1. When you call a busy user, press the **Transfer** soft key, type "*59#", and press the **Send** button.
2. When you hear the system playing the announcement indicating that the operation is successful, hang up the phone.

   When the user you called is idle, the system automatically calls you.
3. Pick up the phone, and wait for the system to call your called party.

   After the peer user answers the call, you can start the conversation.

4.19 Callback on Busy(For UC 2.0)

When you call a busy user, the system calls your number back when the user you called becomes idle.

Contact your administrator to configure the callback on busy (CBB) service. Then perform the following operations in service usage:

1. When you call a busy user, type "*59* + called number + #", and press the **Send** button.
2. When you hear the system playing the announcement indicating that the operation is successful, hang up the phone.

   When the user you called is idle, the system automatically calls you.
3. Pick up the phone, and wait for the system to call your called party.

Copyright © Huawei Technologies Co., Ltd.

After the peer user answers the call, you can start the conversation.

4.20 Using the Extension Mobility Function (Available for Huawei UC1.1 Solution)

After you enter the extension number and password to log in to the file server on an IP phone in the visited location, the IP phone automatically downloads the user configuration file that contains the contact information and programmable key settings, and registration service to the IP phone which can function as your personal IP phone in the home location.

NOTE

If the models of the IP phones in the home location and visited location are different, the function and service on the IP phone in use take effect.

1. Access the main menu of the IP phone.
2. Select **Login** and press **OK**.

   If the IP phone has been configured with an account, select **Logout** and press **OK** to deregister the existing account.
3. Enter **Extension** and **password**.
4. Press the **LogIn** softkey.

Copyright © Huawei Technologies Co., Ltd.

5 Maintaining eSpace 7850

5.1 Managing Passwords

You can change passwords on the Web configuration page. The default user name and password for logging in to the Web configuration page are both **user**.

Changing a Password

1. Logging in to the Web configuration page.
2. Click the **Security** tab.
3. Click **Password**.
   The page for changing a password is displayed.
4. Enter the old password once and the new password twice.
5. Click **Submit**.

5.2 Restarting eSpace 7850

On the Phone's Standby Screen

1. On the standby screen, hold down the **X** key.
   A message asking you to confirm the restart is displayed.
2. Press the **OK** key to restart the eSpace 7850.

On the Web Configuration Page

1. Access the Web configuration page.
2. Click the **Upgrade** tab.
3. Click **Reboot**.
   A confirm dialog box is displayed.
4. Click **OK**.

Copyright © Huawei Technologies Co., Ltd.

6 FAQs

- Q: How do I check the basic eSpace 7850 information, such as the IP address and software version?

  A: In the standby state, press the <OK> key.
- Q: How do I access the eSpace 7850's Web configuration page?

  A: In the Web browser, enter the eSpace 7850's IP address in the address box, and press Enter. Enter the user name and password, and click OK. The default user name and password for a common user are both user.
- Q: How many SIP accounts does eSpace 7850 support?

  A: eSpace 7850 supports six SIP accounts.
- Q: How do I set the language?

  A: Proceed as follows:
  - In the standby state, press the <Menu> key.
  - Select [Setting], [Basic Settings], and [Language] in sequence.
  - Select a language and press the <OK> key.
- Q: How do I receive a voice message?

  A: Proceed as follows:
  - Set the mailbox access code.
  - Press the <Message> key and follow the instruction to obtain the voice message.
- Q: How do I adjust the volume of the ring tone?

  A: In the standby state, press the <Volume Adjustment Bar> key and adjust the volume of the ring tone.
- Q: Why an eSpace 7850 can make calls but cannot receive calls?

  A: Check whether the icon is displayed on the standby screen on the eSpace 7850. If this icon is displayed, the DND function is enabled and the eSpace 7850 automatically rejects incoming calls. Access the Features page, and set the DND function to Disable.
- Q: How do I adjust the volume of the handset, headset, and speaker?
  - In the standby state, press the <Menu> key.
  - Select [Setting], [Basic Settings], and [Phone Volume] in sequence.
  - Select an object and set the volume.
- Q: How do I enable the call waiting function?

  A: Use the following methods to enable the call waiting function:

Copyright © Huawei Technologies Co., Ltd.

- In the standby state, press the <Menu> key.
- Select [Features] and [Call Waiting].
- Press the left and right keys to enable or disable the function.

Dial *58# on the eSpace 7850 to register the call waiting function.

- A: Use the following methods to forward a call:
  - In the standby state, press the <Menu> key.
  - Select [Features] and [Call Forward].
  - Select a call forward mode and press the left and right keys to enable or disable the function.
  - Enter the forward-to number and press the <OK> key.
- Q: How do I avoid disturbing calls?

  A: Add a disturbing number to the blacklist. Use the following methods:
  - Press the <Menu> key.
  - Select [Directory] and [Blacklist].
  - Press the up and down keys to select [Add], and press the <OK> key to display the page for adding users to the blacklist.
  - Press the <OK> key.

Copyright © Huawei Technologies Co., Ltd.